



# PET & SPECT Chemicals

Page	Cat. No.	Name
1.	TMCT-95	TMS-CT
	CIT-97	(-)-2-beta-Carbomethoxy-3-beta-(4-iodophenyl)tropane
	CIFE-95	CITFE
	FPCI-95	CITFP
	IHS-99	o-Iodohippurate Sodium
	OIHA-99	2'-Iodohippuric Acid
	TBZM-95	(S)-(-)-3-trimethylstannyl-2-hydroxy-6-methoxy-N[(1-ethyl-2-pyrrolidinyl)methyl]benzamide
	IBZM-95	S-(-)-IBZM
	BZM-95	S-(-)-BZM
	IBE-95	IBE
	TIMZ-95	TIMZ
	2.	MIBG-99
SHH-97		Succinimidyl-Hynic hydrochloride
SBH-95		Succinimidyl-N-Boc-Hynicv
PCA-98		Disofenin
MDP-97		MDP
PRF-95		Plerixafor
3.	222-99	Cryptand 222
	TBA	TBA HCO <sub>3</sub> 0.075 M
	TFP-90	Tosyl-Fallypride
	TFPR-90	Fallypride
	AZA-95	1H-1 midazole,1-[2,3-di-O-acetyl-5-O-[(4-methylphenyl)sulfonyl]- alpha-D-arabino-furanosyl]-2-nitro-
	FAZA-95	1-(5-Deoxy-5-fluoro-alpha-D-arabinofuranosyl)-2-nitroimidazole
	BTE-97	1,2-Bis(tosyloxy)ethane
	DMAE-95	Dimethylaminoethanol
	FECH-95	Fluoroethylcholine bromide
	FECT-95	Fluoroethylcholine tosylate
	FECC-95	Fluoroethylcholine chloride
4.	MT-99	Mannose Triflate
	AFDG-95	ACY-FDG
	FDG-95	2-Deoxy-2-fluoro-D-glucose
	CLDG-95	CLDG
	MAH-95	β-D-Mannopyranose,1,3,4,6-tetraacetate
	TAG-95	b-D-Glucopyranose,1,2,3,4-tetraacetate
	FDL-95	Ethyl-2-trifluoromethanesulfonyl-3,6-di-O-benzoyl-4-O-(2,3,4,6-tetra-O-acetyl-beta-D-galacto-pyranosyl)-beta-D-mannopyranoside
	FBTE-95	6-Trimethylstannyl-L-DOPA
	FBNE-95	6-Nitro-L-DOPA
	FMNE-95	N-formyl-3,4-dimethoxy-6-nitro-D-phenylalanine ester
	FDPA-95	Tyrosine,2-fluoro-5-hydroxy
	FDPB-95	Tyrosine,2-fluoro-5-hydroxy,hydrobromide
	FDPC-95	Tyrosine,2-fluoro-5-hydroxy,hydrochloride
5.	BNDP-95	L-Tyrosine,N-[(1,1-dimethylmethoxy)carbonyl]-5-hydroxy-2-nitro
	BDOP-95	BMI-DOPA
	MMSE-95	MMSE
	FES-90	16alpha-Fluoroestradiol
	FET-90	O-(2-fluoroethyl)-L-tyrosine
	TET-97	TET
	PTS-95	2-[2[[[(4-methylphenyl)sulfonyl]oxy]ethyl]-1H-Isoindole-1,3(2H)-dione
	TNA-95	2,3,5,6-Tetrafluorophenyl-2-(2-nitroimidazol-1-yl)acetate
	NFA-95	N-(2-Fluoroethyl)-2-(2-nitroimidazol-1-yl)acetamide
	TFHB-97	Tosyl-FHBG
	DMFH-95	Tosyl-DMTr-FHBG
	FHBG-95	FHBG

Page	Cat. No.	Name
6.	FLB-95	FLB 457
	DFLB-95	FLB 604
	BDNT-97	Boc-FLT-Precursor
	BATH-99	5'-O-Benzoyl-2,3'-anhydrothymidine
	DDNT-97	Dimethoxybenzyl-FLT-precursor
	DMT-95	DMTr-lyxothymidine
	DNTM-95	DMTr-Nosyl-lyxothymidine
	ATM-95	Anhydrothymidine-FLT-precursor
	BTNT-97	FLT(Tr,Ns,Boc) precursor
	FTM-97	3'-Fluoro-thymidine
	NBE-95	Nitromazenil
	DFBE-95	Desmethylflumazenil
	FBE-97	Flumazenil
7.	DTAD-95	Adenosine,5'-O-[bis(4-methoxyphenyl)phenylmethyl]-, 2'-(4-methylbenzenesulfonate)
	NDT-95	Nitro-Altanserin
	FDBA-95	4-(2-Aminoethyl)-5-fluorobenzene-1,2-diol hydrobromide
	NOL-95	N-Boc-trans-4-tosyloxy-L-proline methyl ester
	PDMP-97	Nitro-setoperone
	TTSR-97	2-O-(Trifluoromethylsulfonyl)-1,3,5-tri-O-benzoyl-alpha-D-ribofuranose
	MAU-95	5-Methyl-2,4-bis[(trimethylsilyl)oxy]pyrimidine
	FMAU-95	FMAU
	NTTP-97	NITTP
	DNI-95	Desmethylmisonidazole
FMSO-95	Fluoromisonidazole	
DMD-95	FETNIM Precursor	
8.	BTPE-95	DiBoc-6-trimethylstannyl-phenylalanine ethylester
	ABP-95	ABP
	PCO-95	PCO
	AMD-95	AMD
	HAMD-95	HAMD
	MAMD-95	MAMD
	HAD-95	4-Methoxy-2,5-di-[10-Methyl-1,4,7,10-tetraaza cyclododecane -1,4,7-tricarboxylic acid tri-tert-butyl ester]pheno
	MAD-95	1,4-Dimethoxy-2,5-di-[1-Methyl-1,4,7,10-tetraaza-cyclododecane] benzene
	MPCF-95	MPCF
	NCFT-95	(-)-2-beta-Carbomethoxy-3-beta-(4-fluorophenyl)nortropane
CFT-95	(-)-2-beta-Carbomethoxy-3-beta-(4-fluorophenyl)tropane	
9.	FPCF-95	FPCF
	TMCT-95	TMS-CT
	TPCI-95	TPCI
	MPCI-95	MPCI
	FPCI-95	CITFP
	CIFE-95	CITFE
	NCIT-97	(-)-2-beta-Carbomethoxy-3-beta-(4-iodophenyl)nortropane
	CIT-97	(-)-2-beta-Carbomethoxy-3-beta-(4-iodophenyl)tropane
	BYOT-95	1-Tosyloxy-3-butyne
	PYOT-95	1-Tosyloxy-4-pentyne
	TEYT-95	Tosyl-propargyl-triethylene glycol
	ATSM-95	ATSM
	PTSM-95	PTSM
AMAT-95	H <sub>2</sub> ATSM/A	
10.	CUAM-95	CUAM
	CUPM-95	PTSM-Cu
	DMPA-97	DAA1106
	HMPA-97	DAA1123
	MASB-95	MASB
	DASB-95	DASB
	DOTA-95	DOTA
	DOTE-95	DOTAEt
	CMDL-95	4-Piperidinemethanol, (2,3-dimethoxyphenyl)-1-[2-(4-fluorophenyl)ethyl]-

Page	Cat. No.	Name
11.	FME-95	Mefway
	MFW-95	Tosyl-Mefway
	tFME-95	trans-Mefway
	tMFW-95	trans-Tosyl-Mefway
	HCT-95	L-Homocysteine thiolactone hydrochloride
	ML-95	Propanedioic acid,2-(5-fluoropentyl)-2-methy-
	MML-95	Propanedioic acid,2-(5-(methylsulfonyloxy)pentyl)-2-methy-,diethyl ester-
	TML-95	Propanedioic acid,2-(5-(tosyloxy)pentyl)-2-methy-,diethyl ester-
	HMPP-97	MPPOH
	MPPN-95	Nitro-MPPF
	MPPF-95	MPPF

12.	NNCP-95	(+)-Desmethyl-NNC112
	NNC-95	(+)-NNC112
	NOTA-95	1H-1,4,7-Triazonine-1,4,7-triacetic acid,hexahydro-
	HPBR-95	Acetamide, N-[(2-hydroxyphenyl)methyl]-N-(4-phenoxy-3-pyridinyl)-
	PBR-95	Acetamide, N-[(2-methoxyphenyl)methyl]-N-(3-phenoxy-4-pyridinyl)-
	NMT-95	4-nitro-N,N,N-trimethylanilinium trifluoromethanesulfonate
	FPD-95	N-(4-Fluorophenyl)-6,7-Dimethoxy-4-quinazolinamine
	SFPD-95	4-(4'-Fluoroanilino)-6,7-dimethoxyquinazoline hydrochloride
	MFPD-95	N-(3-Fluorophenyl)-6,7-Dimethoxy-4-quinazolinamine
	CDMQ-95	4-chloro-6,7-dimethoxyquinazoline

13.	AHB-95	6-OH-BTA-0
	AMB-97	6-MeO-BTA-0
	MBT-97	6-OH-BTA-1 (free base)
	MBTC-95	6-OH-BTA-1 Hydrochloride
	MBPA-95	6-MOMO-BTA-0
	PIA-97	FBTA precursor
	FPIB-95	FBTA
	PKR-98	(R)-N-Desmethyl PK11195
	CIQM-95	(R,S)-N-Desmethyl PK11195
	FECl-95	3-Isoquinolinecarboxamide,1-(2-chlorophenyl)-N-fluoroethyl-N-(1-methylpropyl)-,(R,S)
	BBFT-90	BBFT

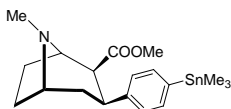
14.	DMS-95	Raclopride
	DMP-99	(S)-O-Desmethylnraclopride hydrobromide
	DMR-97	(S)-O-Desmethylnraclopride
	DMS-98	DMS
	WAY-97	WAY 100635
	DWAY-97	desmethyl-WAY 100635
	PWAY-95	N-(2-(4-(2-methoxyphenyl)piperazin-1-yl)ethyl)pyridine-2-amine
	TBT-95	4-(Ethoxycarbonyl)-N,N,N-trimethylbenzenaminiumtriflate
	TSTU-97	TSTU
	SFB-95	Succinimido p-fluorobenzoate
	TFBH-90	4-Formyl-N,N,N-Trimethylanilinium triflate
	DTSM-95	Methylene Bis-tosylate
	IBPA-95	(3-formyl-phenyl)-phenyl-iodonium; bromide

15.	TFE-95	2-Fluoroethyl tosylate
	PMBF-95	PMBAB
	BNBE-95	2-Bromoethyl nosylate
	BEFS-97	2-Bromoethyl triflate
	TBE-95	2-Bromoethyl tosylate
FPT-95	3-Fluoropropyltosylate	

# SPECT Precursors

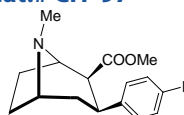
## beta-CIT

### Cat.# TMCT-95



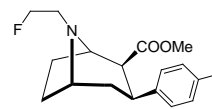
TMS-CT min.95%  
[158111-10-5] C<sub>19</sub>H<sub>29</sub>NO<sub>2</sub>Sn  
M.W. 422.15 Colorless crystals  
Precursor for [\*]beta-CIT

### Cat.# CIT-97



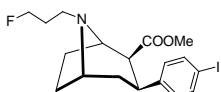
(-)-2-beta-Carbomethoxy-3-beta-(4-iodophenyl)tropane min.97%  
[135416-43-2] C<sub>16</sub>H<sub>20</sub>INO<sub>2</sub>  
M.W. 385.24 Colorless to yellowish crystals  
Precursor for [\*]beta-CIT  
Reference Standard for [\*]beta-CIT

### Cat.# CIFE-95



CITFE min.95%  
[155798-01-9] C<sub>17</sub>H<sub>21</sub>FINO<sub>2</sub>  
M.W. 417.26 Colorless to yellowish crystals  
Precursor for [\*]beta-CITFE  
Reference standard for [\*]beta-CITFE

### Cat.# FPCI-95



CITFP min.95%  
[155797-99-2] C<sub>18</sub>H<sub>23</sub>FINO<sub>2</sub>  
M.W. 431.28 Colorless to yellowish crystals  
Precursor for [\*]beta-CITFP  
Reference standard for [\*]beta-CITFP

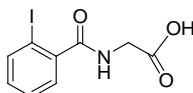
## Hippuran

### Cat.# IHS-99



o-Iodohippurate Sodium min.99%  
[133-17-5] C<sub>9</sub>H<sub>7</sub>INNaO<sub>3</sub>  
M.W. 327.06 White powder  
Precursor for [<sup>131</sup>I] Sodium Iodohippurate

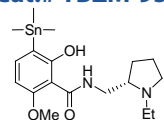
### Cat.# OIHA-99



2'-Iodohippuric Acid min.99%  
[147-58-0] C<sub>9</sub>H<sub>8</sub>INO<sub>3</sub>  
M.W. 305.07 Whiteless to white crystal  
Precursor for [<sup>131</sup>I] Sodium Iodohippurate

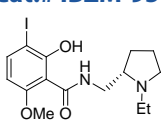
## IBZM

### Cat.# TBZM-95



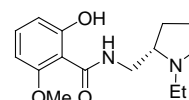
(S)-(-)-3-trimethylstannyl-2-hydroxy-6-methoxy-N[(1-ethyl-2-pyrrolidinyl)methyl]benzamide min.95%  
[not yet assigned] C<sub>18</sub>H<sub>30</sub>N<sub>2</sub>O<sub>3</sub>Sn  
M.W. 441.15 Yellowish oil  
Precursor for [<sup>18</sup>F]IBZM

### Cat.# IBZM-95



S-(-)-IBZM min.95%  
[84226-06-2] C<sub>15</sub>H<sub>21</sub>N<sub>2</sub>O<sub>3</sub>  
M.W. 278.35 Pale yellow solid  
Precursor for S-(-)-[<sup>123/125</sup>I]IBZM  
Reference standard for S-(-)-[\*]IBZM

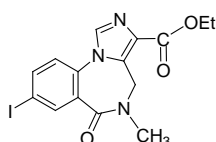
### Cat.# BZM-95



S-(-)-BZM min.95%  
[84226-04-0] C<sub>15</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>  
M.W. 278.35 Pale yellow solid  
Precursor for S-(-)-[<sup>123/125</sup>I]IBZM

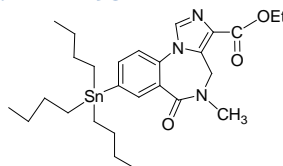
## IMZ

### Cat.# IBE-95



IBE min.95%  
[268566-09-2] C<sub>15</sub>H<sub>14</sub>N<sub>3</sub>O<sub>3</sub>  
M.W. 411.19 White solid  
Precursor for [\*]IMZ  
Reference standard for [\*]IMZ

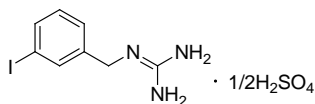
### Cat.# TIMZ-95



TIMZ min.95%  
[200408-05-5] C<sub>27</sub>H<sub>41</sub>N<sub>3</sub>O<sub>3</sub>Sn  
M.W. 574.34 Yellowish to colorless oil  
Precursor for [\*]IMZ

## MIBG

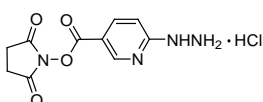
### Cat.# MIBG-99



m-iodobenzylguanidine sulfate min.99%  
[87862-25-7] C<sub>8</sub>H<sub>10</sub>N<sub>3</sub>•1/2 H<sub>2</sub>SO<sub>4</sub>  
M.W. 324.13 White solid  
Precursor for [\*I]Metaiodobenzylguanidine

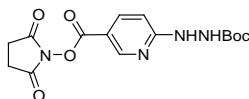
## Complexation ligand for labelling with <sup>99m</sup>Tc

### Cat.# SHH-97



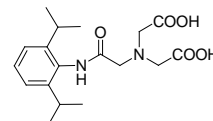
Succinimidyl-Hynic hydrochloride min.97%  
[133081-27-3] C<sub>10</sub>H<sub>10</sub>N<sub>4</sub>O<sub>6</sub>•HCl  
M.W. 386.67 Colorless solid  
Ligand for labelling with <sup>99m</sup>Tc

### Cat.# SBH-95



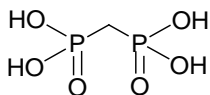
Succinimidyl-N-Boc-Hynic min.95%  
[133081-26-2] C<sub>15</sub>H<sub>18</sub>N<sub>4</sub>O<sub>6</sub>  
M.W. 350.33 Colorless crystals  
Ligand for labelling with <sup>99m</sup>Tc

### Cat.# PCA-98



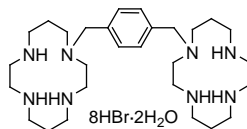
Disofenin min.98%  
[65717-97-7] C<sub>18</sub>H<sub>26</sub>N<sub>2</sub>O<sub>5</sub>  
M.W. 350.41 Colorless crystals  
Ligand for labelling with <sup>99m</sup>Tc

### Cat.# MDP-97



MDP min.97%  
[1984-15-2] CH<sub>6</sub>O<sub>6</sub>P<sub>2</sub>  
M.W. 176.00 Colorless solid  
Ligand for labelling with <sup>99m</sup>Tc

### Cat.# PRF-95

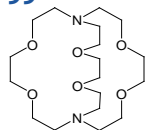


Plerixafor min.95%  
[155148-32-6] C<sub>28</sub>H<sub>66</sub>N<sub>8</sub>O<sub>2</sub>Br<sub>8</sub>  
M.W. 1186.12 Yellow crystals  
A chemokine receptor antagonist

# PET Chemicals

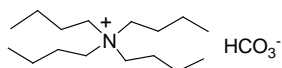
## F18 Ion Tracer

### Cat.# 222-99



Cryptand 222 min.99%  
[23978-09-8] C<sub>18</sub>H<sub>36</sub>N<sub>2</sub>O<sub>6</sub>  
M.W. 376.49 Colorless crystals  
Aminopolyether used to dissolve K<sup>+</sup> salts in nucleophilic [<sup>18</sup>F]labelling reactions

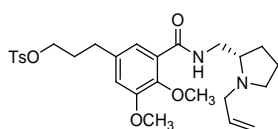
### Cat.# TBA



TBA HCO<sub>3</sub> 0.075 M  
[17351-62-1] C<sub>17</sub>H<sub>37</sub>NO<sub>3</sub>  
M.W. 303.48 Clear colorless liquid  
Reagent for the synthesis of [<sup>18</sup>F]TBA

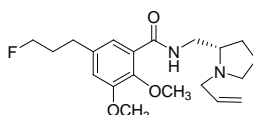
## Fallypride

### Cat.# TFP-90



Tosyl-Fallypride min.90%  
[166173-74-6] C<sub>27</sub>H<sub>36</sub>N<sub>2</sub>O<sub>6</sub>S  
M.W. 516.65 Colorless to yellowish oil  
Precursor for [<sup>18</sup>F]Fallypride

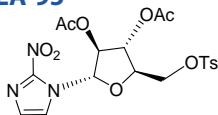
### Cat.# TFPR-90



Fallypride min.90%  
[166173-78-0] C<sub>20</sub>H<sub>29</sub>FN<sub>2</sub>O<sub>3</sub>  
M.W. 364.45 Colorless to yellowish oil  
Reference standard for [<sup>18</sup>F]Fallypride

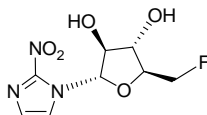
## FAZA

### Cat.# AZA-95



1H-l midazole,1-[2,3-di-O-acetyl-5-O-[(4-methylphenyl)sulfonyl]-alpha-D-arabinofuranosyl]-2-nitro- min.95%  
[494775-35-8] C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>10</sub>S  
M.W. 483.45 Colorless to yellowish solid  
Precursor for [<sup>18</sup>F]FAZA

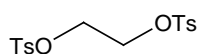
### Cat.# FAZA-95



1-(5-Deoxy-5-fluoro-alpha-D-arabinofuranosyl)-2-nitroimidazole min.95%  
[220793-03-3] C<sub>8</sub>H<sub>10</sub>FN<sub>3</sub>O<sub>5</sub>  
M.W. 247.18 Colorless to yellowish solid  
Reference standard for [<sup>18</sup>F]FAZA

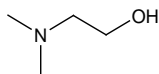
## F-Choline

### Cat.# BTE-97



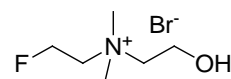
1,2-Bis(tosyloxy)ethane min.97%  
[6315-52-2] C<sub>16</sub>H<sub>18</sub>O<sub>6</sub>S<sub>2</sub>  
M.W. 370.44 White crystals  
Precursor for [<sup>18</sup>F]Fluoroethylcholine

### Cat.# DMAE-95



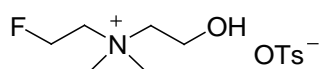
Dimethylaminoethanol min.95%  
[108-01-0] C<sub>4</sub>H<sub>11</sub>NO  
M.W. 89.14 Colorless liquid  
Precursor for [<sup>11</sup>C]Choline  
Precursor for [<sup>18</sup>F]Fluoroalkylcholine

### Cat.# FECH-95



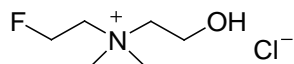
Fluoroethylcholine bromide min.95%  
[733050-47-0] C<sub>6</sub>H<sub>15</sub>BrFNO  
M.W. 216.09 White solid  
Reference standard for [<sup>18</sup>F]Fluoroethylcholine

### Cat.# FECT-95



Fluoroethylcholine tosylate min.95%  
[479407-07-3] C<sub>6</sub>H<sub>15</sub>FNO·C<sub>7</sub>H<sub>7</sub>O<sub>3</sub>S  
M.W. 307.38 White to colorless solid  
Reference standard for [<sup>18</sup>F]Fluoroethylcholine

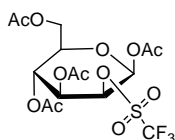
### Cat.# FECC-95



Fluoroethylcholine chloride min.95%  
[479407-08-4] C<sub>6</sub>H<sub>15</sub>ClFNO  
M.W. 171.64 Yellowish to white solid  
Reference standard for [<sup>18</sup>F]Fluoroethylcholine

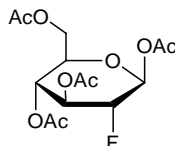
## FDG

### Cat.# MT-99



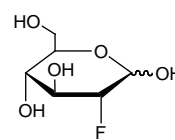
Mannose Triflate min.99%  
[92051-23-5] C<sub>15</sub>H<sub>19</sub>F<sub>3</sub>O<sub>12</sub>S  
M.W. 480.37 Colorless crystals  
Precursor for [<sup>18</sup>F]FDG

### Cat.# AFDG-95



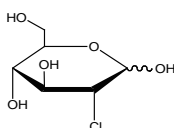
ACY-FDG min.95%  
[141395-48-4] C<sub>14</sub>H<sub>19</sub>FO<sub>9</sub>  
M.W. 350.29 Yellowish solid  
Reference standard for byproduct of [<sup>18</sup>F]FDG

### Cat.# FDG-95



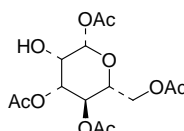
2-Deoxy-2-fluoro-D-glucose min.95%  
[86783-82-6] C<sub>6</sub>H<sub>11</sub>FO<sub>5</sub>  
M.W. 182.15 Colorless solid  
Reference standard for [<sup>18</sup>F]FDG

### Cat.# CLDG-95



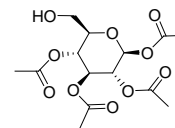
CLDG min.95%  
[14685-79-1] C<sub>6</sub>H<sub>11</sub>ClO<sub>5</sub>  
M.W. 198.60 Colorless solid  
Reference standard for byproduct of [<sup>18</sup>F]FDG synthesis

### Cat.# MAH-95



β-D-Mannopyranose,1,3,4,6-tetraacetate  
min.95%  
[18968-05-3] C<sub>14</sub>H<sub>20</sub>O<sub>10</sub>  
M.W. 348.30 White solid  
Impurity of Mannose Triflate

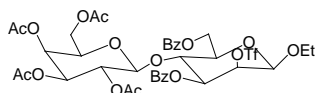
### Cat.# TAG-95



b-D-Glucopyranose,1,2,3,4-tetraacetate min.95%  
[13100-46-4] C<sub>14</sub>H<sub>20</sub>O<sub>10</sub>  
M.W. 348.30 White solid  
Impurity for FDG

## FDL

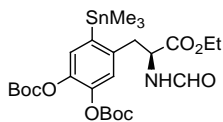
### Cat.# FDL-95



Ethyl-2-trifluoromethanesulfonyl-3,6-di-O-benzoyl-4-O-(2,3,4,6-tetra-O-acetyl-beta-D-galactopyranosyl)-beta-D-mannopyranoside min.95%  
[1008750-65-9] C<sub>37</sub>H<sub>41</sub>F<sub>3</sub>O<sub>19</sub>S  
M.W. 887.77 White solid  
Precursor for Et-[<sup>18</sup>F]-FDL

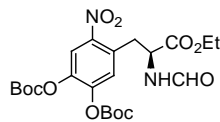
## FDOPA

### Cat.# FBTE-95



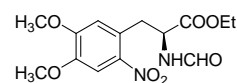
6-Trimethylstannyl-L-DOPA min.95%  
[143993-90-2] C<sub>25</sub>H<sub>39</sub>NO<sub>9</sub>Sn  
M.W. 616.28 Colorless solid  
Stannylated precursor for 6-[<sup>18</sup>F]Fluoro-L-DOPA

### Cat.# FBNE-95



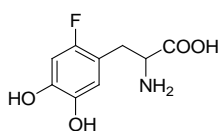
6-Nitro-L-DOPA min.95%  
[not yet assigned] C<sub>22</sub>H<sub>30</sub>N<sub>2</sub>O<sub>11</sub>  
M.W. 498.48 Yellowish oil  
Precursor for [<sup>18</sup>F]FDOPA

### Cat.# FMNE-95



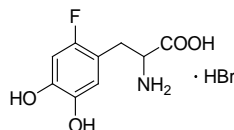
N-formyl-3,4-dimethoxy-6-nitro-D-phenylalanine ester min.95%  
[not yet assigned] C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O<sub>7</sub>  
M.W. 326.30 Off-white crystal  
Precursor for 6-[<sup>18</sup>F]Fluoro-L-DOPA

### Cat.# FDPA-95



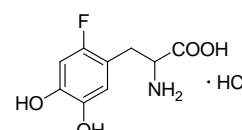
Tyrosine,2-fluoro-5-hydroxy min.95%  
[102034-49-1] C<sub>9</sub>H<sub>10</sub>FNO<sub>4</sub>  
M.W. 215.18 Off-white solid  
Reference standard for 6-[<sup>18</sup>F]Fluoro-D,L-DOPA

### Cat.# FDPB-95



Tyrosine,2-fluoro-5-hydroxy,hydrobromide min.95%  
[154051-94-2] C<sub>9</sub>H<sub>10</sub>FNO<sub>4</sub>·HBr  
M.W. 296.09 Off-white to orange solid  
Reference standard for 6-[<sup>18</sup>F]Fluoro-L-DOPA

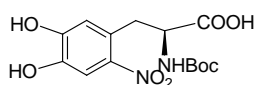
### Cat.# FDPC-95



Tyrosine,2-fluoro-5-hydroxy,hydrochloride min.95%  
[not yet assigned] C<sub>9</sub>H<sub>10</sub>FNO<sub>4</sub>·HCl  
M.W. 251.64 Off-white solid  
Reference standard for 6-[<sup>18</sup>F]Fluoro-D,L-DOPA

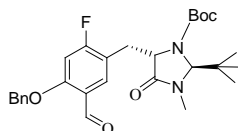


### Cat.# BNDP-95



L-Tyrosine,N-[(1,1-dimethylmethoxy)carbonyl]-5-hydroxy-2-nitro min.95%  
[not yet assigned] C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O<sub>8</sub>  
M.W. 342.30 Light yellow solid  
Precursor for 6-[<sup>18</sup>F]Fluoro-L-DOPA

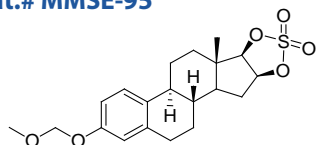
### Cat.# BDOP-95



BMI-DOPA min.95%  
[1159940-23-4] C<sub>28</sub>H<sub>34</sub>FN<sub>2</sub>O<sub>5</sub>  
M.W. 498.59 Colorless solid  
Nucleophilic precursor for 6-[<sup>18</sup>F]Fluoro-L-DOPA

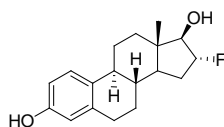
## FES

### Cat.# MMSE-95



MMSE min.95%  
[177714-21-5] C<sub>20</sub>H<sub>26</sub>O<sub>6</sub>S  
M.W. 394.48 Nearly colorless crystals  
Precursor for 16alpha-[<sup>18</sup>F]Fluoroestradiol

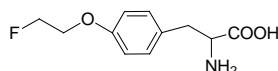
### Cat.# FES-90



16alpha-Fluoroestradiol min.90%  
[92817-10-2] C<sub>18</sub>H<sub>23</sub>FO<sub>2</sub>  
M.W. 290.37 Colorless crystals  
Reference standard for 16alpha-[<sup>18</sup>F]Fluoroestradiol

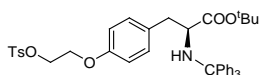
## FET

### Cat.# FET-90



O-(2-fluoroethyl)-L-tyrosine min.90%  
[854750-33-7] C<sub>11</sub>H<sub>14</sub>FNO<sub>3</sub>  
M.W. 227.23 Colorless powder  
Reference standard for [<sup>18</sup>F]FET

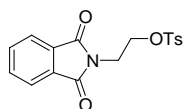
### Cat.# TET-97



TET min.97%  
[478037-15-9] C<sub>41</sub>H<sub>43</sub>NO<sub>6</sub>S  
M.W. 677.85 White solid  
Precursor for O-(2-[<sup>18</sup>F]Fluoroethyl)-L-tyrosine

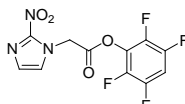
## FETA

### Cat.# PTS-95



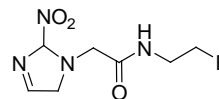
2-[2[[[(4-methylphenyl)sulfonyl]oxy]ethyl]-1H-isoindole-1,3(2H)-dione min.95%  
[5460-83-3] C<sub>17</sub>H<sub>15</sub>NO<sub>5</sub>S  
M.W. 345.37 White solid  
Tosyl Precursor for [<sup>18</sup>F]FETA

### Cat.# TNA-95



2,3,5,6-Tetrafluorophenyl-2-(2-nitroimidazol-1-yl)acetate min.95%  
[199734-70-8] C<sub>11</sub>H<sub>5</sub>F<sub>4</sub>N<sub>3</sub>O<sub>4</sub>  
M.W. 319.17 Tan solid  
Tetrafluorophenyl-Precursor for [<sup>18</sup>F]FETA

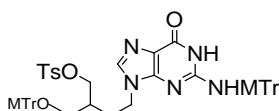
### Cat.# NFA-95



N-(2-Fluoroethyl)-2-(2-nitroimidazol-1-yl)acetamide min.95%  
[199800-19-6] C<sub>7</sub>H<sub>9</sub>FN<sub>4</sub>O<sub>3</sub>  
M.W. 216.17 White solid  
Reference standard for [<sup>18</sup>F]FETA

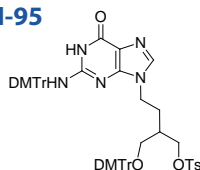
## FHBG

### Cat.# TFHB-97



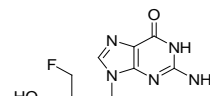
Tosyl-FHBG min.97%  
[206067-84-7] C<sub>57</sub>H<sub>53</sub>N<sub>5</sub>O<sub>7</sub>S  
M.W.952.13 Off-white solid  
Precursor for [<sup>18</sup>F]FHBG

### Cat.# DMFH-95



Tosyl-DMTr-FHBG min.95%  
[not yet assigned] C<sub>59</sub>H<sub>57</sub>N<sub>5</sub>O<sub>9</sub>S  
M.W. 1012.18 White solid  
Precursor for [<sup>18</sup>F]FHBG

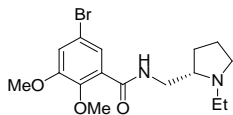
### Cat.# FHBG-95



FHBG min.95%  
[206067-83-6] C<sub>10</sub>H<sub>14</sub>FN<sub>5</sub>O<sub>2</sub>  
M.W.255.25 Colorless solid  
Reference standard for [<sup>18</sup>F]FHBG

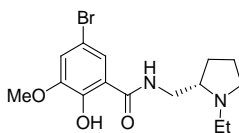
## FLB457

### Cat.# FLB-95



FLB 457 min.95%  
[107188-74-9] C<sub>16</sub>H<sub>23</sub>BrN<sub>2</sub>O<sub>3</sub>  
M.W. 371.27 Yellowish colloidal  
Reference standard for [<sup>11</sup>C]FLB 457

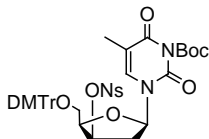
### Cat.# DFLB-95



FLB 604 min.95%  
[128600-22-6] C<sub>15</sub>H<sub>21</sub>BrN<sub>2</sub>O<sub>3</sub>  
M.W. 357.24 White to yellowish solid  
Precursor for [<sup>11</sup>C]FLB457

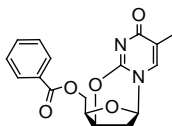
## FLT

### Cat.# BDNT-97



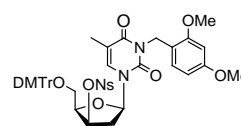
Boc-FLT-Precursor min.97%  
[444717-23-1] C<sub>42</sub>H<sub>43</sub>N<sub>3</sub>O<sub>13</sub>S  
M.W. 829.87 Yellowish solid  
Precursor for [<sup>18</sup>F]FLT

### Cat.# BATH-99



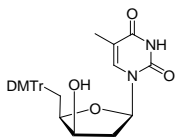
5'-O-Benzoyl-2,3'-anhydrothymidine min.99%  
[70838-44-7] C<sub>17</sub>H<sub>16</sub>N<sub>2</sub>O<sub>5</sub>  
M.W. 328.32 White crystals  
Precursor for [<sup>18</sup>F]FLT

### Cat.# DDNT-97



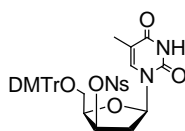
Dimethoxybenzyl-FLT-precursor min.97%  
[290371-75-4] C<sub>46</sub>H<sub>45</sub>N<sub>3</sub>O<sub>13</sub>S  
M.W. 879.93 Yellowish foam  
Precursor for [<sup>18</sup>F]FLT

### Cat.# DMT-95



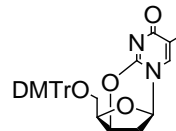
DMTr-lyxothymidine min.95%  
[112501-53-8] C<sub>31</sub>H<sub>32</sub>N<sub>2</sub>O<sub>7</sub>  
M.W.544.60 Colorless amorphous solid  
Precursor for [<sup>18</sup>F]FLT

### Cat.# DNTM-95



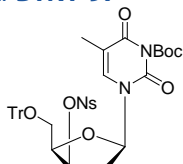
DMTr-Nosyl-lyxothymidine min.95%  
[444717-20-8] C<sub>37</sub>H<sub>35</sub>O<sub>11</sub>S  
M.W.729.75 Yellow amorphous solid  
Precursor for [<sup>18</sup>F]FLT

### Cat.# ATM-95



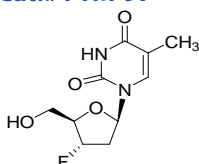
Anhydrothymidine-FLT-precursor min.95%  
[191474-13-2] C<sub>31</sub>H<sub>30</sub>N<sub>2</sub>O<sub>6</sub>  
M.W.526.58 Colorless solid  
Precursor for [<sup>18</sup>F]FLT

### Cat.# BTNT-97



FLT(Tr,Ns,Boc) precursor min.97%  
[444717-24-2] C<sub>40</sub>H<sub>39</sub>N<sub>3</sub>O<sub>11</sub>S  
M.W. 769.82 Colorless to yellowish solids or crystals  
Precursor for [<sup>18</sup>F]FLT

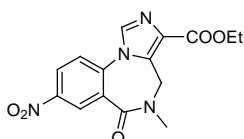
### Cat.# FTM-97



3'-Fluoro-thymidine min.97%  
[25526-93-6] C<sub>10</sub>H<sub>13</sub>FN<sub>2</sub>O<sub>4</sub>  
M.W.244.22 Colorless or white powder  
Reference standard for [<sup>18</sup>F]FLT

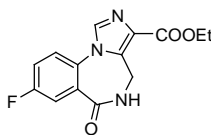
## Flumazenil

### Cat.# NBE-95



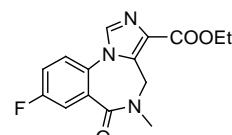
Nitromazenil min.95%  
[84377-97-9] C<sub>15</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>  
M.W. 330.30 Yellow solid  
Precursor for [<sup>18</sup>F]Flumazenil

### Cat.# DFBE-95



Desmethylflumazenil min.95%  
[79089-72-8] C<sub>14</sub>H<sub>12</sub>FN<sub>3</sub>O<sub>3</sub>  
M.W. 289.26 White crystals  
Precursor for [<sup>11</sup>C]Flumazenil  
Precursor for 5-[<sup>18</sup>F]Flumazenil

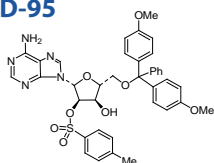
### Cat.# FBE-97



Flumazenil min.97%  
[78755-81-4] C<sub>15</sub>H<sub>14</sub>FN<sub>3</sub>O<sub>3</sub>  
M.W. 303.29 White crystals  
Reference standard for [<sup>11</sup>C]Flumazenil  
Reference standard for 5-[<sup>18</sup>F]Flumazenil

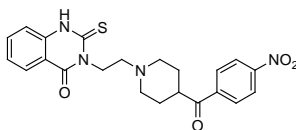
## Fluoro-2'-deoxyadenosine Fluoro-Altanserin

### Cat.# DTAD-95



Adenosine, 5'-O-[bis(4-methoxyphenyl)phenylmethyl]-, 2'-(4-methylbenzenesulfonate) min.95%  
[174399-92-9] C<sub>38</sub>H<sub>37</sub>N<sub>5</sub>O<sub>8</sub>S  
M.W. 723.79 Yellowish solid  
Precursor for 2'- [<sup>18</sup>F]Fluoro-2'-deoxyadenosine

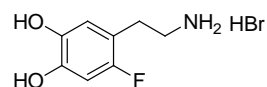
### Cat.# NDT-95



Nitro-Altanserin min.95%  
[139418-53-4] C<sub>22</sub>H<sub>22</sub>N<sub>4</sub>O<sub>4</sub>S  
M.W. 438.50 White pale solid  
Precursor for [<sup>18</sup>F] Fluoro-Altanserin

## Fluorodopamine

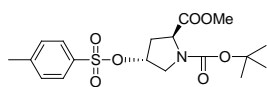
### Cat.# FDDBA-95



4-(2-Aminoethyl)-5-fluorobenzene-1,2-diol hydrobromide min.95%  
[59043-70-8] C<sub>8</sub>H<sub>11</sub>BrFNO<sub>2</sub>  
M.W. 252.08 Off-white solid  
Reference standard for 6- [<sup>18</sup>F]Fluorodopamine

## Fluoro-L-proline

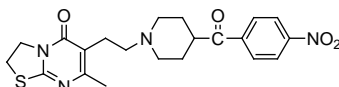
### Cat.# NOL-95



N-Boc-trans-4-tosyloxy-L-proline methyl ester min.95%  
[88043-21-4] C<sub>18</sub>H<sub>25</sub>NO<sub>7</sub>S  
M.W. 399.46 Colorless crystals  
Precursor for cis-4- [<sup>18</sup>F]Fluoro-L-proline

## Fluoro-Setoperone

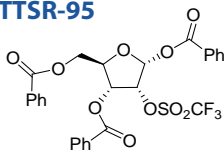
### Cat.# PDMP-97



Nitro-setoperone min.97%  
[113981-16-1] C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>4</sub>S  
M.W. 428.50 Yellowish solid  
Precursor for [<sup>18</sup>F]Fluoro-Setoperone

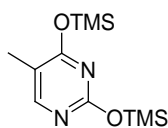
## FMAU

### Cat.# TTSR-95



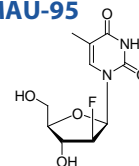
2-O-(Trifluoromethylsulfonyl)-1,3,5-tri-O-benzoyl-alpha-D-ribofuranose min.95%  
[97614-41-0] C<sub>27</sub>H<sub>21</sub>F<sub>3</sub>O<sub>10</sub>S  
M.W. 594.51 Yellowish oil  
Precursor 1 for [<sup>18</sup>F]FEAU and [<sup>18</sup>F]FMAU

### Cat.# MAU-95



5-Methyl-2,4-bis[(trimethylsilyl)oxy]pyrimidine min.95%  
[7288-28-0] C<sub>11</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>Si<sub>2</sub>  
M.W. 270.48 Colorless oil  
Precursor 2 for [<sup>18</sup>F]FMAU

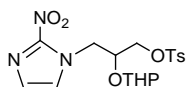
### Cat.# FMAU-95



FMAU min.95%  
[69256-17-3] C<sub>10</sub>H<sub>13</sub>FN<sub>2</sub>O<sub>5</sub>  
M.W. 260.22 Colorless solid  
Reference standard for [<sup>18</sup>F]beta-FMAU and [<sup>13</sup>C]beta-FMAU

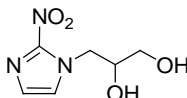
## FMISO

### Cat.# NITTP-97



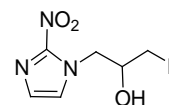
NITTP min.97%  
[150196-34-2] C<sub>18</sub>H<sub>23</sub>N<sub>3</sub>O<sub>7</sub>S  
M.W. 425.13 Yellowish solid  
Precursor for [<sup>18</sup>F]FMISO

### Cat.# DNI-95



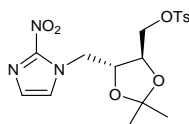
Desmethylmisonidazole min.95%  
[13551-92-3] C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>4</sub>  
M.W. 187.15 Yellow solid  
Analytical standard for validation of [<sup>18</sup>F]FMISO

### Cat.# FMSO-95



Fluoromisonidazole min.95%  
[13551-89-8] C<sub>6</sub>H<sub>8</sub>N<sub>3</sub>O<sub>3</sub>F  
M.W. 189.14 Light-yellow solid  
Reference standard for [<sup>18</sup>F]FMISO

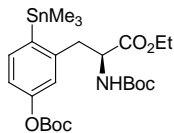
### Cat.# DMD-95



FETNIM Precursor min.95%  
[163714-99-6] C<sub>17</sub>H<sub>21</sub>N<sub>3</sub>O<sub>7</sub>S  
M.W. 411.43 Colorless to yellowish oil  
Precursor for [<sup>18</sup>F]FETNIM

## FMT

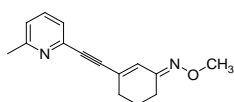
### Cat.# BTPE-95



DiBoc-6-trimethylstannyl-phenylalanine ethyl ester min.95%  
[845882-24-8] C<sub>24</sub>H<sub>39</sub>NO<sub>7</sub>Sn  
M.W.572.28 Colorless to yellowish oil  
Precursor for [<sup>18</sup>F]FMT

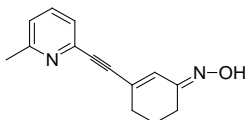
## ABP

### Cat.# ABP-95



ABP min.95%  
[924298-51-1] C<sub>15</sub>H<sub>16</sub>N<sub>2</sub>O  
M.W. 240.30 Pale yellow oil  
Reference standard for [<sup>11</sup>C]ABP688

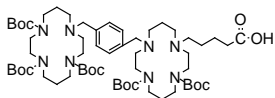
### Cat.# PCO-95



PCO min.95%  
[849469-03-0] C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>O  
M.W. 226.27 Light yellow solid  
Precursor for [<sup>11</sup>C]ABP688

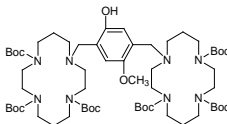
## AMD

### Cat.# AMD-95



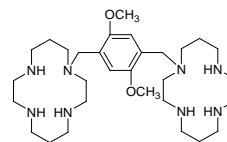
AMD min.95%  
[not yet assigned] C<sub>58</sub>H<sub>102</sub>N<sub>8</sub>O<sub>12</sub>  
M.W. 1103.48 White solid  
Intermediate of a drug with high selectivity against HIV-infected cells

### Cat.# HAMD-95



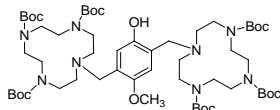
HAMD min.95%  
[not yet assigned] C<sub>59</sub>H<sub>104</sub>N<sub>8</sub>O<sub>14</sub>  
M.W. 1149.5 White solid  
Precursor for [<sup>11</sup>C]-MAMD

### Cat.# MAMD-95



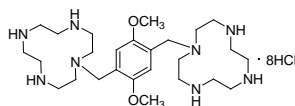
MAMD min.95%  
[not yet assigned] C<sub>30</sub>H<sub>58</sub>N<sub>8</sub>O<sub>2</sub>  
M.W. 562.83 White solid  
Reference standard for [<sup>11</sup>C]-MAMD

### Cat.# HAD-95



4-Methoxy-2,5-di-[10-Methyl-1,4,7,10-tetraaza cyclododecane -1,4,7-tricarboxylic acid tri-tert-butyl ester]phenol min.95%  
[not yet assigned] C<sub>55</sub>H<sub>95</sub>N<sub>8</sub>O<sub>14</sub>  
M.W. 1093.40 White solid  
Precursor for [<sup>11</sup>C]MAD

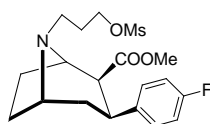
### Cat.# MAD-95



1,4-Dimethoxy-2,5-di-[1-Methyl-1,4,7,10-tetraaza -cyclododecane] benzene min.95%  
[not yet assigned] C<sub>26</sub>H<sub>58</sub>Cl<sub>8</sub>N<sub>8</sub>O<sub>2</sub>  
M.W. 798.42 Off-white solid  
Reference standard for [<sup>11</sup>C]MAD

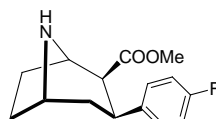
## beta-CFT

### Cat.# MPCF-95



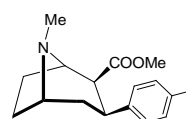
MPCF min.95%  
[not yet assigned] C<sub>19</sub>H<sub>26</sub>FNO<sub>5</sub>S  
M.W. 399.48 Colorless oil  
Precursor for [<sup>18</sup>F]beta-CFT

### Cat.# NCFT-95

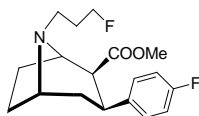


(-)-2-beta-Carbomethoxy-3-beta-(4-fluorophenyl)nortropine min.95%  
[127648-30-0] C<sub>15</sub>H<sub>18</sub>FNO<sub>2</sub>  
M.W. 263.31 Colorless to yellowish solid  
Precursor for [<sup>11</sup>C]beta-CFT

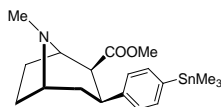
### Cat.# CFT-95



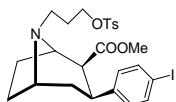
(-)-2-beta-Carbomethoxy-3-beta-(4-fluorophenyl)tropane min.95%  
[50370-56-4] C<sub>16</sub>H<sub>20</sub>FNO<sub>2</sub>  
M.W. 277.33 Colorless crystals  
Reference standard for [<sup>11</sup>C]-beta-CFT

**Cat.# FPCF-95**

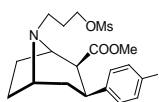
FPCF min.95%  
 [not yet assigned] C<sub>18</sub>H<sub>23</sub>F<sub>2</sub>NO<sub>2</sub>  
 M.W. 323.38 Colorless oil  
 Reference standard for [<sup>18</sup>F]beta-CFT

**Cat.# TMCT-95**

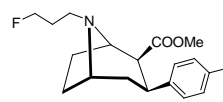
TMS-CT min.95%  
 [158111-10-5] C<sub>19</sub>H<sub>29</sub>NO<sub>2</sub>Sn  
 M.W. 422.15 Colorless crystals  
 Precursor for [<sup>18</sup>F]CFT

**beta-CIT****Cat.# TPCI-95**

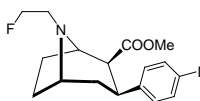
TPCI min.95%  
 [186381-39-5] C<sub>25</sub>H<sub>30</sub>INO<sub>5</sub>S  
 M.W. 583.48 Colorless oil  
 Precursor for [<sup>18</sup>F]beta-CITFP

**Cat.# MPCI-95**

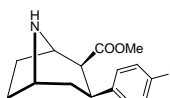
MPCI min.95%  
 [not yet assigned] C<sub>19</sub>H<sub>26</sub>INO<sub>5</sub>S  
 M.W. 507.38 Colorless oil  
 Precursor for [<sup>18</sup>F]beta-CITFP

**Cat.# FPCI-95**

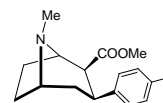
CITFP min.95%  
 [155797-99-2] C<sub>18</sub>H<sub>23</sub>FINO<sub>2</sub>  
 M.W. 431.28 Colorless to yellowish crystals  
 Reference standard for [<sup>18</sup>F]beta-CITFP

**Cat.# CIFE-95**

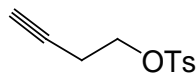
CITFE min.95%  
 [155798-01-9] C<sub>17</sub>H<sub>21</sub>FINO<sub>2</sub>  
 M.W. 417.26 Colorless to yellowish crystals  
 Reference standard for [<sup>11</sup>C]beta-CITFE

**Cat.# NCIT-97**

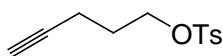
(-)-2-beta-Carbomethoxy-3-beta-(4-iodophenyl)nortropane min.97%  
 [136794-87-1] C<sub>15</sub>H<sub>18</sub>INO<sub>2</sub>  
 M.W. 371.21 Colorless crystals  
 Precursor for [<sup>11</sup>C]beta-CIT

**Cat.# CIT-97**

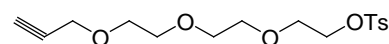
(-)-2-beta-Carbomethoxy-3-beta-(4-iodophenyl)tropane min.97%  
 [135416-43-2] C<sub>16</sub>H<sub>20</sub>INO<sub>2</sub>  
 M.W. 385.24 Colorless to yellowish crystals  
 Reference standard for [<sup>11</sup>C]beta-CIT

**Click chemistry Reagent****Cat.# BYOT-95**

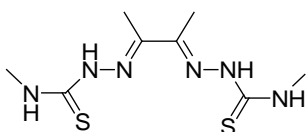
1-Tosyloxy-3-butyne min.95%  
 [23418-85-1] C<sub>11</sub>H<sub>12</sub>O<sub>3</sub>S  
 M.W. 224.28 Colorless to yellowish oil  
 Precursor for 1-[<sup>18</sup>F]Fluoro-3-butyne

**Cat.# PYOT-95**

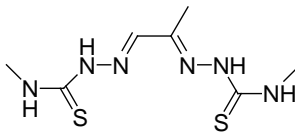
1-Tosyloxy-4-pentyne min.95%  
 [77758-50-0] C<sub>12</sub>H<sub>14</sub>O<sub>3</sub>S  
 M.W. 238.30 Colorless to yellowish oil  
 Precursor for 1-[<sup>18</sup>F]Fluoro-4-pentyne

**Cat.# TEYT-95**

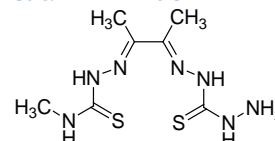
Tosyl-propargyl-triethylene glycol min.95%  
 [888009-94-7] C<sub>16</sub>H<sub>22</sub>O<sub>6</sub>S  
 M.W. 342.41 Colorless oil  
 Precursor for [<sup>18</sup>F]Fluoro-propargyl-triethylene glycol

**Complexation agent for [\*Cu]-Labelling****Cat.# ATSM-95**

ATSM min.95%  
 [63618-91-7] C<sub>8</sub>H<sub>16</sub>N<sub>6</sub>S<sub>2</sub>  
 M.W. 260.39 Yellowish crystals  
 Complexation agent for [\*Cu]-Labelling

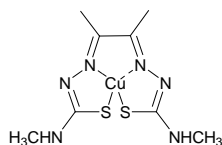
**Cat.# PTSM-95**

PTSM min.95%  
 [673-68-7] C<sub>7</sub>H<sub>14</sub>N<sub>6</sub>S<sub>2</sub>  
 M.W. 246.36 Colorless crystals  
 Complexation agent for [\*Cu]-Labelling

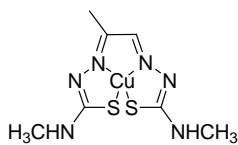
**Cat.# AMAT-95**

H<sub>2</sub>ATSM/A min.95%  
 [918879-58-0] C<sub>7</sub>H<sub>15</sub>N<sub>7</sub>S<sub>2</sub>  
 M.W. 261.37 Pale-yellow solid  
 Complexation agent for [\*Cu]-Labelling

---

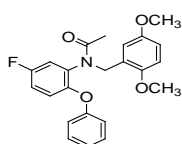
**Cat.# CUAM-95**

CUAM min.95%  
[68341-09-3] C<sub>8</sub>H<sub>14</sub>CuN<sub>6</sub>S<sub>2</sub>  
M.W. 321.92 Dark brown solid  
Reference standard for [<sup>64</sup>Cu]CuATSM

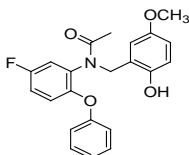
**Cat.# CUPM-95**

PTSM-Cu min.95%  
[53109-53-8] C<sub>7</sub>H<sub>12</sub>CuN<sub>6</sub>S<sub>4</sub>  
M.W. 307.89 Dish brown solid  
Reference standard for [<sup>62</sup>Cu]PTSM

---

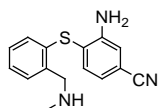
**DAA1106****Cat.# DMPA-97**

DAA1106 min.97%  
[220551-92-8] C<sub>23</sub>H<sub>22</sub>FNO<sub>4</sub>  
M.W. 295.15 White crystals  
Reference standard for [<sup>11</sup>C]DAA1106

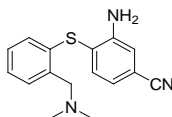
**Cat.# HMPA-97**

DAA1123 min.97%  
[220553-37-7] C<sub>22</sub>H<sub>20</sub>FNO<sub>4</sub>  
M.W. 381.13 White crystals  
Precursor for [<sup>11</sup>C]DAA1106

---

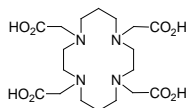
**DASB****Cat.# MASB-95**

MASB min.95%  
[296774-10-2] C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>S  
M.W. 269.37 Brownish crystals  
Precursor for [<sup>11</sup>C]DASB

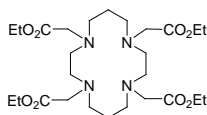
**Cat.# DASB-95**

DASB min.95%  
[627490-01-1] C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>S  
M.W. 283.39 Yellowish solid  
Reference standard for [<sup>11</sup>C]DASB

---

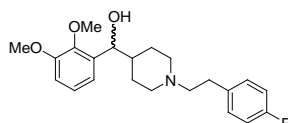
**DOTA****Cat.# DOTA-95**

DOTA min.95%  
[60239-18-1] C<sub>16</sub>H<sub>28</sub>N<sub>4</sub>O<sub>8</sub>·H<sub>2</sub>O  
M.W. 404.42 White crystal  
Cation complexation agent

**Cat.# DOTE-95**

DOTAet min.95%  
[137076-50-7] C<sub>24</sub>H<sub>44</sub>N<sub>4</sub>O<sub>8</sub>  
M.W. 516.63 White to yellowish powder  
Cation complexation agent

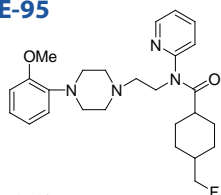
---

**MDL100907****Cat.# CMDL-95**

4-Piperidinemethanol, (2,3-dimethoxyphenyl)-  
-1-[2-(4-fluorophenyl)ethyl]- min.95%  
[139290-69-0] C<sub>22</sub>H<sub>28</sub>FNO<sub>3</sub>  
M.W. 373.46 Colorless to yellowish solid  
Reference standard for rac-[<sup>11</sup>C]MDL100907

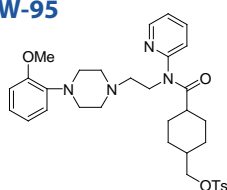
## Mefway

### Cat.# FME-95



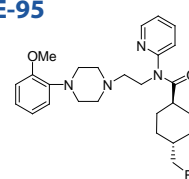
Mefway min.95%  
[943976-22-5] C<sub>26</sub>H<sub>35</sub>FN<sub>4</sub>O<sub>2</sub>  
M.W. 454.58 Yellowish oil  
Reference standard for [<sup>18</sup>F]Mefway

### Cat.# MFW-95



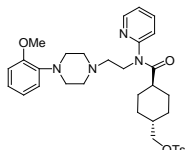
Tosyl-Mefway min.95%  
[943962-59-2] C<sub>33</sub>H<sub>42</sub>N<sub>4</sub>O<sub>5</sub>S  
M.W. 606.78 Yellowish oil  
Precursor for [<sup>18</sup>F]Mefway

### Cat.# tFME-95



trans-Mefway min.95%  
[not yet assigned] C<sub>26</sub>H<sub>35</sub>FN<sub>4</sub>O<sub>2</sub>  
M.W. 454.58 Yellowish oil  
Reference standard for [<sup>18</sup>F]trans-Mefway

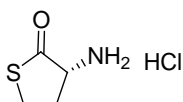
### Cat.# tMFW-95



trans-Tosyl-Mefway min.95%  
[not yet assigned] C<sub>33</sub>H<sub>42</sub>N<sub>4</sub>O<sub>5</sub>S  
M.W. 606.78 Yellowish oil  
Precursor for [<sup>18</sup>F]trans-Mefway

## MET

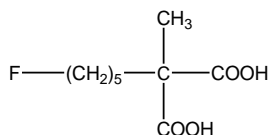
### Cat.# HCT-95



L-Homocysteine thiolactone hydrochloride min.95%  
[31828-68-9] C<sub>4</sub>H<sub>7</sub>NOS·HCl  
M.W. 153.63 White powder  
Precursor for L-[<sup>14</sup>C]Methyl-methionine,  
-ethionine, and -propionine

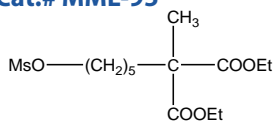
## ML-10

### Cat.# ML-95



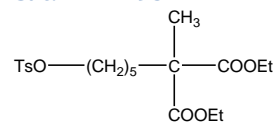
Propanedioic acid, 2-(5-fluoropentyl)-2-methyl-  
min.95%  
[1216897-16-3] C<sub>9</sub>H<sub>15</sub>FO<sub>4</sub>  
M.W. 206.21 White solid  
Reference standard for [<sup>18</sup>F]ML-10

### Cat.# MML-95



Propanedioic acid, 2-(5-(methylsulfonyloxy)  
pentyl)-2-methyl-, diethyl ester- min.95%  
[Not yet assigned] C<sub>14</sub>H<sub>26</sub>O<sub>7</sub>S  
M.W. 338.42 Yellowish to colorless oil  
Precursor for [<sup>18</sup>F]ML-10

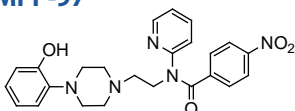
### Cat.# TML-95



Propanedioic acid, 2-(5-(tosyloxy)pentyl)  
-2-methyl-, diethyl ester- min.95%  
[Not yet assigned] C<sub>20</sub>H<sub>30</sub>O<sub>7</sub>S  
M.W. 414.51 Colorless oil  
Precursor for [<sup>18</sup>F]ML-10

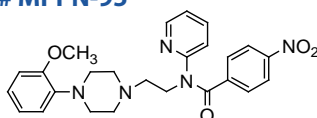
## MPPF

### Cat.# HMPP-97



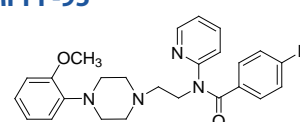
MPPOH min.97%  
[924640-31-3] C<sub>24</sub>H<sub>25</sub>N<sub>5</sub>O<sub>4</sub>  
M.W. 447.76 White crystals  
Precursor for [<sup>11</sup>C]MPPN

### Cat.# MPPN-95



Nitro-MPPF min.95%  
[155204-27-6] C<sub>25</sub>H<sub>27</sub>N<sub>5</sub>O<sub>4</sub>  
M.W. 461.51 Yellowish solid  
Precursor for [<sup>18</sup>F]MPPF

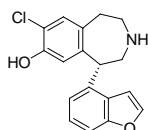
### Cat.# MPPF-95



MPPF min.95%  
[155204-26-5] C<sub>25</sub>H<sub>27</sub>N<sub>4</sub>O<sub>2</sub>F  
M.W. 434.51 White to colorless solid  
Reference standard for [<sup>18</sup>F]MPPF

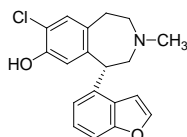
## NNC112

### Cat.# NNCP-95



(+)-Desmethyl-NNC112 min.95%  
[221132-62-3] C<sub>18</sub>H<sub>16</sub>ClNO<sub>2</sub>  
M.W. 313.78 Off-white solid  
Precursor for [<sup>11</sup>C]NNC112

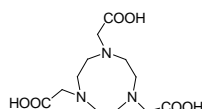
### Cat.# NNC-95



(+)-NNC112 min.95%  
[125341-24-4] C<sub>19</sub>H<sub>18</sub>ClNO<sub>2</sub>  
M.W. 327.80 Off-white to white solid  
Reference standard for [<sup>11</sup>C]NNC112

## NOTA

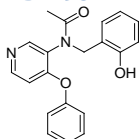
### Cat.# NOTA-95



1H-1,4,7-Triazonine-1,4,7-triacetic acid,  
hexahydro- min.95%  
[56491-86-2] C<sub>12</sub>H<sub>21</sub>N<sub>3</sub>O<sub>6</sub>  
M.W. 303.31 White solid  
Cation complexation agent

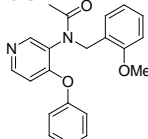
## PBR28

### Cat.# HPBR-95



Acetamide, N-[(2-hydroxyphenyl)methyl]-N-(4-phenoxy-3-pyridinyl)- min.95%  
[1005325-42-7] C<sub>20</sub>H<sub>18</sub>N<sub>2</sub>O<sub>3</sub>  
M.W. 334.37 Colorless solid  
Precursor for [<sup>11</sup>C]-PBR28

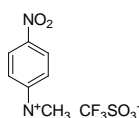
### Cat.# PBR-95



Acetamide, N-[(2-methoxyphenyl)methyl]-N-(3-phenoxy-4-pyridinyl)- min.95%  
[253307-72-1] C<sub>21</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>  
M.W. 348.40 Colorless to slightly yellowish solid  
Reference standard for [<sup>11</sup>C]-PBR28

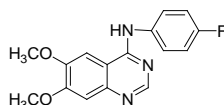
## PD

### Cat.# NMT-95



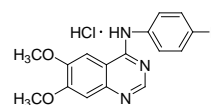
4-nitro-N,N-trimethylanilinium  
trifluoromethanesulfonate min.95%  
[not yet assigned] C<sub>8</sub>H<sub>7</sub>FN<sub>2</sub>O<sub>5</sub>S  
M.W. 300.21 Orange solid  
Precursor for Aryl [<sup>18</sup>F]Fluorides

### Cat.# FPD-95



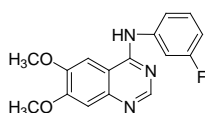
N-(4-Fluorophenyl)-6,7-Dimethoxy-4-quinazolinamine min.95%  
[296234-69-0] C<sub>16</sub>H<sub>14</sub>FN<sub>3</sub>O<sub>2</sub>  
M.W. 299.30 Off-white solid  
Reference standard for [<sup>18</sup>F]FPD

### Cat.# SFPD-95



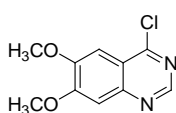
4-(4'-Fluoroanilino)-6,7-dimethoxyquinazoline  
hydrochloride min.95%  
[not yet assigned] C<sub>16</sub>H<sub>14</sub>FN<sub>3</sub>O<sub>2</sub> · HCl  
M.W. 335.76 Yellow solid  
Reference standard for [<sup>18</sup>F]FPD

### Cat.# MFPD-95



N-(3-Fluorophenyl)-6,7-Dimethoxy-4-quinazolinamine min.95%  
[202475-55-6] C<sub>16</sub>H<sub>14</sub>FN<sub>3</sub>O<sub>2</sub>  
M.W. 299.30 Off-white solid  
Reference standard for [<sup>18</sup>F]MFPD

### Cat.# CDMQ-95

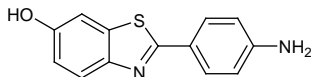


4-chloro-6,7-dimethoxyquinazoline min.95%  
[13790-39-1] C<sub>10</sub>H<sub>9</sub>ClN<sub>2</sub>O<sub>2</sub>  
M.W. 224.64 White solid  
Precursor for [<sup>18</sup>F]FPD



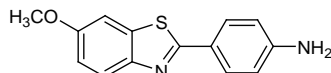
## PIB

### Cat.# AHB-95



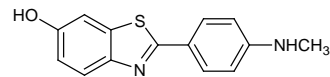
6-OH-BTA-0 min.95%  
[178804-18-7] C<sub>13</sub>H<sub>10</sub>N<sub>2</sub>OS  
M.W. 242.3 Yellowish solid  
Precursor for [N-Methyl-<sup>11</sup>C]-6-OH-BTA-1  
Precursor for [O-Methyl-<sup>11</sup>C]-MeO-BTA-0

### Cat.# AMB-97



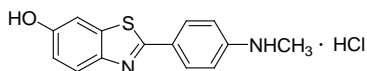
6-MeO-BTA-0 min.97%  
[43036-17-5] C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>O  
M.W.256.32 Yellowish solid  
Reference standard for [O-Methyl-<sup>11</sup>C]6-MeO-BTA-0

### Cat.# MBT-97



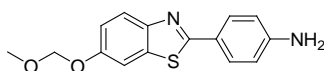
6-OH-BTA-1 (free base) min.97%  
[566169-93-5] C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>OS  
M.W. 256.32 Yellow solid  
Reference standard for [N-Methyl-<sup>11</sup>C]-6-OH-BTA-1

### Cat.# MBTC-95



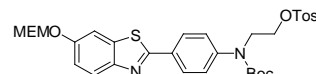
6-OH-BTA-1 Hydrochloride min.95%  
[not yet assigned] C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>·HCl  
M.W. 292.78 Yellowish solid  
Reference standard for [<sup>11</sup>C]-6-OH-BTA-1

### Cat.# MBPA-95



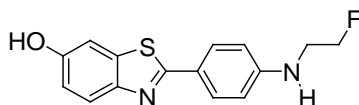
6-MOMO-BTA-0 min.95%  
[566170-03-4] C<sub>15</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>S  
M.W. 286.35 Yellowish to off-white solid  
Precursor for [N-Methyl-<sup>11</sup>C]-6-OH-BTA-1

### Cat.# PIA-97



FBTA precursor min.97%  
[not yet assigned] C<sub>31</sub>H<sub>37</sub>N<sub>2</sub>O<sub>8</sub>S<sub>2</sub>  
M.W. 629.76 Yellow crystals  
Precursor for [<sup>18</sup>F]FBTA

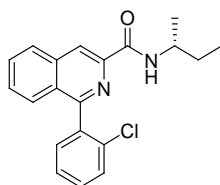
### Cat.# FPB-95



FBTA min.95%  
[1113014-53-1] C<sub>15</sub>H<sub>13</sub>FN<sub>2</sub>O  
M.W. 288.34 Yellowish powder  
Reference standard for [<sup>18</sup>F]FBTA

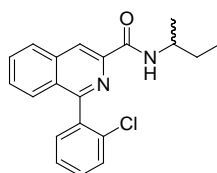
## PK11195

### Cat.# PKR-98



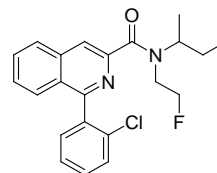
(R)-N-Desmethyl PK11195 min.98%  
[157809-85-3] C<sub>20</sub>H<sub>19</sub>ClN<sub>2</sub>O  
M.W.338.83 Colorless solid  
Precursor for (R)-[N-Methyl-<sup>11</sup>C]PK11195

### Cat.# CIQM-95



(R,S)-N-Desmethyl PK11195 min.95%  
[124236-61-9] C<sub>20</sub>H<sub>19</sub>ClN<sub>2</sub>O  
M.W.338.83 Colorless crystals  
Precursor for (R,S)-[N-Methyl-<sup>11</sup>C]PK11195

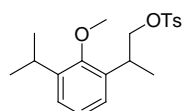
### Cat.# FECl-95



3-Isoquinolinecarboxamide, 1-(2-chlorophenyl)-N-fluoroethyl-N-(1-methylpropyl)-, (R,S) min.95%  
[1215599-58-8] C<sub>22</sub>H<sub>22</sub>ClFN<sub>2</sub>O  
M.W.384.87 Yellowish oil  
Reference standard for [<sup>18</sup>F]-N-fluoroethyl-PK11195

## Propofol

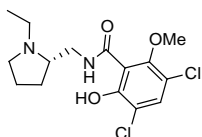
### Cat.# BBFT-90



BBFT min.90%  
[not yet assigned] C<sub>20</sub>H<sub>26</sub>O<sub>4</sub>S  
M.W. 362.48 Colorless oil  
Precursor for [<sup>18</sup>F]Propofol

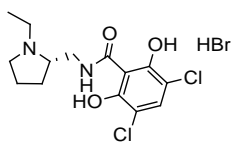
## Raclopride

### Cat.# DMS-95



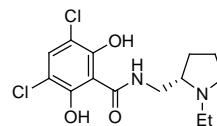
Raclopride min.95%  
[84225-95-6] C<sub>15</sub>H<sub>20</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>  
M.W. 347.24 Yellowish solid  
Reference standard for [<sup>11</sup>C]Raclopride

### Cat.# DMP-99



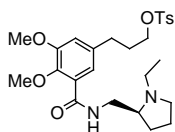
(S)-O-Desmethyleraclopride hydrobromide  
min.99%  
[113310-88-6] C<sub>14</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>·HBr  
M.W.414.12 Colorless to yellowish solid  
Precursor for [<sup>11</sup>C]Raclopride

### Cat.# DMR-97



(S)-O-Desmethyleraclopride min.97%  
[119670-11-0] C<sub>14</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>  
M.W. 333.21 Yellowish solid  
Precursor for [<sup>11</sup>C]Raclopride

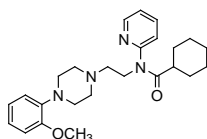
### Cat.# DMTS-98



DMTS min.98%  
[143698-12-8] C<sub>26</sub>H<sub>36</sub>N<sub>2</sub>O<sub>6</sub>S  
M.W. 504.64 Yellowish powder  
Precursor for [<sup>18</sup>F]FPMB

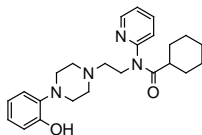
## WAY100635

### Cat.# WAY-97



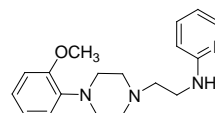
WAY 100635 min.97%  
[146715-97-8] C<sub>25</sub>H<sub>34</sub>N<sub>4</sub>O<sub>2</sub>  
M.W. 422.57 Yellowish solid  
Reference standard for [<sup>11</sup>C]WAY 100635

### Cat.# DWAY-97



desmethyl-WAY 100635 min.97%  
[146715-34-6] C<sub>24</sub>H<sub>32</sub>N<sub>4</sub>O<sub>2</sub>  
M.W. 408.54 Yellowish solid  
Precursor for [<sup>11</sup>C]WAY 100635

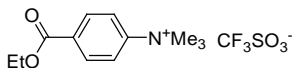
### Cat.# PWAY-95



N-(2-(4-(2-methoxyphenyl)piperazin-1-yl)ethyl)  
pyridine-2-amine min.95%  
[155204-28-7] C<sub>18</sub>H<sub>24</sub>N<sub>4</sub>O  
M.W. 312.41 White crystals  
Precursor for [<sup>11</sup>C]WAY100635

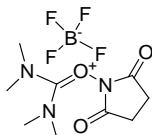
## <sup>18</sup>F Intermediates—SFB

### Cat.# TBT-95



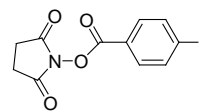
4-(Ethoxycarbonyl)-N,N,N-trimethylbenzenaminium  
triflate min.95%  
[124915-06-6] C<sub>12</sub>H<sub>18</sub>NO<sub>2</sub>·CF<sub>3</sub>O<sub>3</sub>S  
M.W. 357.35 Colorless solid  
Precursor for Aryl [<sup>18</sup>F]Fluorides

### Cat.# TSTU-97



TSTU min.97%  
[105832-38-0] C<sub>9</sub>H<sub>16</sub>BF<sub>4</sub>N<sub>3</sub>O<sub>3</sub>  
M.W. 301.05 White to off-white powder  
Precursor for [<sup>18</sup>F]SFB

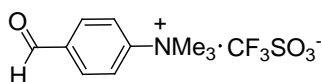
### Cat.# SFB-95



Succinimido p-fluorobenzoate min.95%  
[66134-67-6] C<sub>11</sub>H<sub>8</sub>FNO<sub>4</sub>  
M.W. 237.18 Colorless solid  
Reference standard for [<sup>18</sup>F]SFB

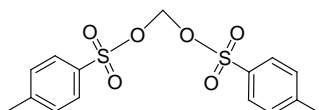
## Other <sup>18</sup>F Intermediates

### Cat.# TFBH-90



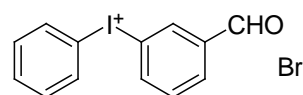
4-Formyl-N,N,N-Trimethylanilinium triflate  
min.90%  
[124915-02-2] C<sub>10</sub>H<sub>14</sub>NO·CF<sub>3</sub>O<sub>3</sub>S  
M.W. 313.29 White solid  
Precursor for 4-[<sup>18</sup>F]Fluorobenzaldehyde

### Cat.# DTSM-95



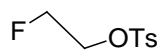
Methylene Bis-tosylate min.95%  
[24124-59-2] C<sub>15</sub>H<sub>16</sub>O<sub>6</sub>S<sub>2</sub>  
M.W. 356.41 White solid  
Precursor for [<sup>18</sup>F]Fluoromethyl tosylate

### Cat.# IBPA-95

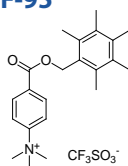


(3-formyl-phenyl)-phenyl-iodonium; bromide  
min.95%  
[not yet assigned] C<sub>13</sub>H<sub>10</sub>OBr  
M.W. 389.03 Yellowish to colorless solid  
Precursor for 3-[<sup>18</sup>F]Fluorobenzylbromide

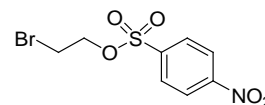
---

**Cat.# TFE-95**

2-Fluoroethyl tosylate min.95%  
[383-50-6] C<sub>9</sub>H<sub>11</sub>FO<sub>3</sub>S  
M.W. 218.25 Colorless to pink liquid  
Reference standard for 2-[<sup>18</sup>F]Fluoroethyl tosylate

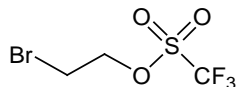
**Cat.# PMBF-95**

PMBAB min.95%  
[223699-69-2] C<sub>22</sub>H<sub>30</sub>NO<sub>2</sub>·CF<sub>3</sub>O<sub>3</sub>S  
M.W. 489.55 Colorless solid  
Precursor for 4-[<sup>18</sup>F]Fluorobenzoic acid

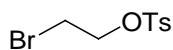
**Cat.# BNBE-95**

2-Bromoethyl nosylate min.95%  
[52331-22-3] C<sub>8</sub>H<sub>8</sub>BrNO<sub>5</sub>S  
M.W. 310.12 Colorless to yellowish solid  
Precursor for [<sup>18</sup>F]BFE

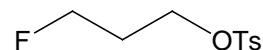
---

**Cat.# BEFS-97**

2-Bromoethyl triflate min.97%  
[103935-47-3] C<sub>3</sub>H<sub>4</sub>BrF<sub>3</sub>O<sub>3</sub>S  
M.W. 257.03 Colorless liquid  
Precursor for [<sup>18</sup>F]BFE

**Cat.# TBE-95**

2-Bromoethyl tosylate min.95%  
[19263-21-9] C<sub>9</sub>H<sub>11</sub>BrO<sub>3</sub>S  
M.W. 279.15 Colorless liquid  
Precursor for [<sup>18</sup>F]BFE

**Cat.# FPT-95**

3-Fluoropropyl tosylate min.95%  
[312-68-5] C<sub>10</sub>H<sub>12</sub>FO<sub>3</sub>S  
M.W. 232.27 Colorless liquid  
Reference standard for 3-[<sup>18</sup>F]Fluoropropyl tosylate

---



## International Customer Service and Representative Locations



### Canada

#### **Huayi Isotopes Co. (Canada)**

4438 Sheppard Ave. East, Unit 377

Toronto, Ontario, M1S 5V9

Phone: 1 416-298-3366

Fax: 1 416-298-9366

E-mail: [antony@huayi-isotopes.com](mailto:antony@huayi-isotopes.com)

[Http://www.huayi-isotopes.com](http://www.huayi-isotopes.com)



### China

#### **Huayi Isotopes Co. (China)**

18 Fuyu Road, Haiyu Town

Changshu, Jiangsu, P. R. China Zip: 215522

Phone: (+86) 512-5249-1118

Fax: (+86) 512-5245-1806

E-mail: [sales@huayi-isotopes.com](mailto:sales@huayi-isotopes.com)

[Http://www.huayi-isotopes.com](http://www.huayi-isotopes.com)

## Authorized Distributors

### Australia

#### **Smart Scientific Supplies**

Shop 6, 39 Grand Boulevard,

Montmorency VIC 3094 Australia

Phone: +61 408 581 571

E-mail: [smartsupplysupplies@austhos.com.au](mailto:smartsupplysupplies@austhos.com.au)

### Korea

#### **PicoMed Ltd.**

2nd Floor, 3-17, Tojeong-Dong,

Mapo-Ku, Seoul, 121-876, Korea

Phone : +82-2-704-8454

Fax : +82-2-703-8454

Email : [inlak.son@picomed.co.kr](mailto:inlak.son@picomed.co.kr)

### Taiwan

#### **Global Medical Solutions Taiwan, Ltd.**

11F., 237, Fusing S.Road, Sec. 1

Taipei 10666, Taiwan, R.O.C.

Phone : +886-2-2707-9900

Fax : +886-2-2703-1133

E-mail : [emila@gmstw.com.tw](mailto:emila@gmstw.com.tw)

### United State

#### **ISOFLEX USA**

170 Avila Street, San Francisco, CA

94123

Phone: 415-440-4433

E-mail: [iusa@isoflex.com](mailto:iusa@isoflex.com)

### Brazil

#### **RPHPHARMA**

Av. Ipiranga, 6681-TECNOPUC-predio

99/902

Phone: +55(51)3336-7134

E-mail: [Frederico.lamachia@gruporph.com.br](mailto:Frederico.lamachia@gruporph.com.br)

### Singapore & Malaysia

#### **QT Instruments(s) Pte Ltd.**

192 Pandan Loop #06-20 Pantech

Business Hub Singapore 128381

Phone: +65 6303-9833

Fax: +65 6778-2578

E-mail: [sales@qtinstruments.com](mailto:sales@qtinstruments.com)

### Hong Kong

#### **Chun Fo Pharmaceutical Co., Ltd.**

Room 2301, 23/F, Futura Plaza, 111-113

How Ming Street Kwun Tong, Kowloon,

Hong Kong

Phone: (852) 3916-2052

Fax: (852) 3916-2002

E-mail: [sales@chunfoasia.com](mailto:sales@chunfoasia.com)

### Argentina

#### **Laboratorios Bacon S.A.I.C**

Uruguay 136, Vicente Lopez, Buenos Aires,

Argentina

Phone: 54114709 0171\*117

Fax: 54114709 2636

E-mail: [mariano@bacon.com.ar](mailto:mariano@bacon.com.ar)