

# <sup>11</sup>C

(-)3-(4-Chlorophenyl)-N'-(4-[<sup>11</sup>C]cyanophenyl)sulfonyl]-4-phenyl-4,5-dihydro-1*H*-pyrazole-1-carboxamidine

(-)4-[<sup>11</sup>C]Methoxycarbonyl-2-[(1-pyrrolidinylmethyl]-1-[(3,4-dichlorophenyl)acetyl]-piperidine

(-)N-[<sup>11</sup>C]Propyl-norapomorphine

(+/-)-2-(*N*-Cyclohexylethyl-*N*-[<sup>11</sup>C]propyl)amino-5-hydroxytetralin

(+/-)-2-(*N*-Phenethyl-*N*-1'-[<sup>11</sup>C]propyl)amino-5-hydroxytetralin

(+)-(2*S*,3*S*)-3-(2-[<sup>11</sup>C]Methoxybenzylamino)-2-phenylpiperidine

(+)-8-Chloro-5-(7-benzofuranyl)-7-hydroxy-3-[<sup>11</sup>C]methyl-2,3,4,5-tetrahydro-1*H*-3-benzazepine

(+)-*p*-[<sup>11</sup>C]Methylvesamicolphenoxy

(1*R*,2*R*)-*N*-(3-(4-[<sup>11</sup>C]Methoxyphenyl)-4-methylisothiazol-5-yl)-2-methylcyclopropane-carboxamide

(20*R*)-4,5- $\alpha$ -Epoxy-17-methyl-3-hydroxy-6-[<sup>11</sup>C]methoxy- $\alpha$ ,17-dimethyl- $\alpha$ -(2-phenylethyl)-6,14-ethenomorphinan-7-methanol

(2-methoxy-<sup>11</sup>C)-*N*-(4-(3,4-Dihydro-6,7-dimethoxy-isoquinolin-2(1*H*)-yl)butyl)-5-methylbenzamide

(2*S*,3*S*)-(2-[<sup>11</sup>C]Methoxy-5-tetrazol-1-ylbenzyl)(2-phenylpiperidin-3-yl)amine

(2*S*,3*S*)-2-[ $\alpha$ -(2-[<sup>11</sup>C]Methylphenoxy)phenylmethyl]morpholine

(2*S*,3*S*)-*N*-[[2-[<sup>11</sup>C]Methoxy-5-[5-(trifluoromethyl)tetrazol-1-yl]phenyl]methyl]-2-phenyl-piperidin-3-amine

(3-Ethyl-2-[<sup>11</sup>C]methyl-6-quinolinyl)(cis-4-methoxycyclohexyl)methanone

(3*R*,5*R*)-3-((*R*)-1-(4-Fluorophenyl)ethylamino)-5-(3-[<sup>11</sup>C]methoxyphenyl)-1-(4-trifluoromethylphenyl)pyrrolidin-2-one

(3*R*,5*R*)-5-(3-[<sup>11</sup>C]Methoxy-phenyl)-3-((*R*)-1-phenyl-ethylamino)-1-(4-trifluoromethyl-phenyl)-pyrrolidin-2-one

(*R,S*)-1,2,3,4,10,14b-Hexahydro-2-[<sup>11</sup>C]methylpyrazino(2,1-a)pyrido(2,3-c)(2)benzazepine

(*R,S*)-2-(*N*-Propyl-*N*-1'-[<sup>11</sup>C]-propyl)amino-5-hydroxytetralin

(*R*)-(-)-2-Chloro-*N*-[1-<sup>11</sup>C-propyl]*n*-propynorapomorphine

(*R*)-(+)-8-Chloro-2,3,4,5-tetrahydro-3-[<sup>11</sup>C]methyl-5-phenyl-1*H*-3-benzazepin-7-ol  
([<sup>11</sup>C]SCH 23390)

(*R*)-2,3,4,5,6,7-Hexahydro-1-[4-[1-[4-(2-[<sup>11</sup>C]methoxyphenyl)piperazinyl]]-2-phenylbutyryl]-1*H*-azepine

(*R*)-2-[<sup>11</sup>C]Methoxy-*N*-*n*-propynorapomorphine

(*S,S*)-[<sup>11</sup>C]Methylreboxetine

(*S*)-1-(4-2-[<sup>11</sup>C]Methoxybenzyl)-5-(2-phenoxyethyl-pyrrolidine-1-sulfonyl)-1*H*-indole-2,3-dione

(*S*)-5-Methoxymethyl-3-[6-(4,4,4-trifluorobutoxy)benzo[*d*]isoxazol-3-yl]-oxazolidin-2-[<sup>11</sup>C]one

(*S*)-6-[(4-Chlorophenyl)(1*H*-1,2,4-triazol-1-yl)methyl]-1-[<sup>11</sup>C]methyl-1*H*-benzotriazole

(*S*)-*N*-(1-Ethyl-2-pyrrolidinyl)methyl)-5-bromo-2-[<sup>11</sup>C]methoxy-3-methoxybenzamide

[<sup>11</sup>C](+)-4-*N*-Propyl-,3,4a,5,6,10b-hexahydro-2*H*-naphth[1,2-*b*][1,4]-oxazin-9-ol

[<sup>11</sup>C](5*R*)-5-(Methoxymethyl)-3-[4-[(3*R*)-4,4,4-trifluoro-3-hydroxybutoxy]phenyl]-2-oxazolidinone

[<sup>11</sup>C]-[*N*-Methyl]3-[(3-fluorophenyl)sulfonyl]-8-(4-methyl-1-piperazinyl)quinoline

[<sup>11</sup>C]10-Methoxy-5-(2-propenyl)-2,5-dihydro-2,2,4-trimethyl-1*H*-[1]benzopyrano[3,4-f]quinoline

[<sup>11</sup>C]2-(2-((Dimethylamino)methyl)phenylthio)-5-(2-fluoroethyl)phenylamine

[<sup>11</sup>C]2-(2-(Dimethylaminomethyl)phenylthio)-5-fluoromethylphenylamine

[<sup>11</sup>C]2-(2-[2-Dimethylaminothiazol-5-yl]ethenyl)-6-(2-[fluoro]ethoxy)benzoxazole

[<sup>11</sup>C]2-(Dimethylamino)-*N*-(5,6-dihydro-6-oxophenanthridin-2-yl)acetamide

[<sup>11</sup>C]2-2-(Dimethylaminomethyl)phenylthio)-5-fluorophenylamine

[<sup>11</sup>C]4-*N*-Methylamino-4'-hydroxystilbene

[<sup>11</sup>C]5-Hydroxy-2-(4-methyaminophenyl)benzofuran

[<sup>11</sup>C]Acetate

[<sup>11</sup>C]Acetoacetate

[<sup>11</sup>C]Carfentanil

[<sup>11</sup>C]Choline

[<sup>11</sup>C]Glycylsarcosine

[<sup>11</sup>C]*meta*-Hydroxyephedrine

[<sup>11</sup>C]Methylated LY2181308

[<sup>11</sup>C]*N,N*-Dimethyl-2-(2'-amino-4'-hydroxymethylphenylthio)benzylamine

[<sup>11</sup>C]*N,N*-Dimethyl-2-(2-amino-4-cyanophenylthio)benzylamine

[<sup>11</sup>C]*N*-(3-Ethynylphenyl)-6,7-bis(2-methoxyethoxy)-4-quinazolinamine

[<sup>11</sup>C]*N*-Methyl-*N*-phenyl-[2-(4-chlorophenyl)-6,8-dichloroimidazo[1,2-*a*]pyridin-3-yl]acetamide

[<sup>11</sup>C]Norepinephrine

[<sup>11</sup>C]-*p*-Hydroxyphenethylguanidine

[<sup>11</sup>C]Triphenylmethylphosphonium

[<sup>18</sup>F]-3-Fluoro-2-(4-((2-nitro-1*H*-imidazol-1-yl)methyl)-1*H*-1,2,3-triazol-1-yl)propan-1-ol

[1-*methyl*-<sup>11</sup>C]8-Dicyclopropylmethyl-1-methyl-3-propylxanthine

[4-*O*-*methyl*-<sup>11</sup>C]-8-[(*E*)-2-(3,4-Dimethoxyphenyl)ethenyl]-1,3-diethyl-7-methylpurine-2,6-dione

[6-*O*-*methyl*-<sup>11</sup>C]Diprenorphine

[7-*methyl*-<sup>11</sup>C]-(*E*)-8-(3,4,5-Trimethoxystyryl)-1,3,7-trimethylxanthine

[*carbonyl*-<sup>11</sup>C](*R,S*)-(N-(2-(1-(4-(2-Methoxyphenyl)piperazinyl)(2-methylethyl))-*N*-pyridinyl)cyclohexanecarboxamide

[*Carbonyl*-<sup>11</sup>C](*S*)-3-chloro-4-(4-((2-(pyridine-3-yl)pyrrolidin-1-yl)methyl)phenoxy)benzamide

[*Carbonyl*-<sup>11</sup>C]*N*-(2-(1-(4-(2-Methoxyphenyl)-piperazinyl)ethyl)-*N*-pyridinyl)cyclohexanecarboxamide

[*Carbonyl*-<sup>11</sup>C]-*N*-(4-Fluorobenzyl)-4-(3-(piperidin-1-yl)indole-1-sulfonyl)benzamide

[*N*-<sup>11</sup>C-*methyl*]-[4-[(4-Methyl-1-piperazinyl)methyl]-*N*-[4-methyl-3-[[4-(3-pyridyl)-2-pyrimidinyl]amino]phenyl]benzamide

[N-Methyl-<sup>11</sup>C]-(11 $\beta$ 17 $\alpha$ )-11-[4-(dimethylamino)phenyl]-17-hydroxy-21-[4-(methylsulfonyl)phenyl]-19-norpregna-4,9-dien-20-yn-3-one

[N-methyl-<sup>11</sup>C]4-(4-(4-Chlorophenyl)-4-hydroxypiperidin-1-yl)-2,2-diphenyl-N-dimethyl-butanamide

[N-methyl-<sup>11</sup>C]4-(4-(4-Chlorophenyl)-4-hydroxypiperidin-1-yl)-2,2-diphenyl-N-methyl-butanamide

[O-<sup>11</sup>C-methyl]4-N-(3-Bromoanilino)-6,7-dimethoxyquinazoline

[O-methyl-<sup>11</sup>C]2-(4-(4-(2-Methoxyphenyl)piperazin-1-yl)butyl)-4-methyl-1,2,4-triazine-3,5(2H,4H)dione

[O-methyl-<sup>11</sup>C]2-{4-[4-(7-Methoxynaphthalen-1-yl)piperazin-1-yl]butyl}-4-methyl-2H-[1,2,4]triazine-3,5-dione

[S-methyl-<sup>11</sup>C]N,N-Dimethyl-4-(6-(methylthio)imidazo[1,2-a]pyridine-2-yl)aniline

1-([4-methoxy-<sup>11</sup>C]-3,4-Dimethoxyphenethyl)-4-(3-phenylpropyl)piperazinephenoxy

1-([4-methoxy-<sup>11</sup>C]3,4-Dimethoxyphenethyl)-4-[3-(4-fluorophenyl)propyl]piperazine

1-(1-Phenylethyl)-1H-imidazole-5-carboxylic acid [11C]methyl ester

1-(2,4-Dichlorophenyl)-4-cyano-5-(4-[<sup>11</sup>C]methoxyphenyl)-N-(pyrrolidin-1-yl)-1H-pyrazole-3-carboxamide

1-(2-Chlorophenyl)-N-[<sup>11</sup>C]methyl-N-(1-methylpropyl)-3-isoquinoline carboxamide

1-(3,4-[<sup>11</sup>C]Dimethoxyphenethyl)-4-[3-(3,4-dichlorophenyl)propyl]piperazinephenoxy)

1-(3-[<sup>11</sup>C]Methoxy-4-methoxybenzyl)-6,7-dimethoxyisoquinoline

1-(9H-Carbazol-4-yloxy)-3-(2-(2-[<sup>11</sup>C]methoxyphenoxy)ethylamino)-propan-2-ol

1-(Benzofuran-2-ylmethyl)-4-(4-[<sup>11</sup>C]methoxybenzyl)piperazine

1-[<sup>11</sup>C]Arachidonic acid

1-[<sup>11</sup>C]Methylpiperidin-4-yl propionate

1-<sup>11</sup>C-Methyl-4-piperidinyl n-butyrate

<sup>11</sup>C/<sup>68</sup>Ga-Labeled sel-tagged anti-epidermal growth factor receptor 2 affibody Z<sub>HER2:342</sub>

<sup>11</sup>C-Labeled 1,7 $\beta$ ,10 $\beta$ -trihydroxy-9-oxo-5 $\beta$ ,20-epoxytax-11-ene-2 $\alpha$ ,4,13 $\alpha$ -triyl 4-acetate 2-benzoate 13-{(2R,3S)-3-[(tert-butoxycarbonyl)amino]-2-hydroxy-3-phenylpropanoate}

<sup>11</sup>C-Labeled 6-[(3-cyclobutyl-2,3,4,5-tetrahydro-1H-3-benzazepin-7-yl)oxy]-N-methyl-3-pyridinecarboxamide hydrochloride

<sup>11</sup>C-Labeled GSK931145

<sup>11</sup>C-Labeled isoniazid

<sup>11</sup>C-Labeled pyrazinamide

<sup>11</sup>C-Labeled rhodamine-123

<sup>11</sup>C-Labeled rifampicin

<sup>11</sup>C-Labeled Telmisartan, an angiotensin II type 1 receptor antagonist

1*R*-[<sup>11</sup>C]Phenylephrine

2,2,3,3-Tetramethylcyclopropanecarboxylic acid [3-(2-[<sup>11</sup>C]methoxyethyl)-4,5-dimethyl-3H-thiazol-(2*Z*)-ylidene]amide

2-(2-(3-[<sup>11</sup>C]Methoxyphenyl)ethynyl)pyridine

2-(2-(5-[<sup>11</sup>C]Methoxypyridin-3-yl)ethynyl)pyridine

2-(2-[[O-<sup>11</sup>C]Tolyl]vinyl)-4,5-dihydro-1*H*-imidazole

2-(3,4-Dimethoxyphenyl)-5-[2-(3,4-dimethoxyphenyl)ethyl-<sup>11</sup>C)methyl-amino]-2-propan-2-yl-pentanenitrile

2-(3-Fluoro-[4-<sup>11</sup>C]tolyl)-4,5-dihydro-1*H*-imidazole

2-(4-Bromo-2,5-dimethoxyphenyl)-*N*-(2-[<sup>11</sup>C]methoxybenzyl)ethanamine

2-(4-Iodo-2,5-dimethoxyphenyl)-*N*-(2-[<sup>11</sup>C]methoxybenzyl)ethanamine

2-(5-[<sup>11</sup>C]Methyl-hexahydro-pyrrolo[3,4-*c*]pyrrol-2-yl)-xanthene-9-one

2-(6-[<sup>11</sup>C]Methyl-3,6-diazabicyclo[3.2.0]heptan-3-yl)-7-(6-methyl-3,6-diazabicyclo[3.2.0]heptan-3-yl)-9*H*-fluoren-9-one

2-[<sup>11</sup>C]Methyl-5-[6-phenylpyridazine-3-yl]octahdropyrrolo[3,4-*c*]pyrrole

2-[<sup>11</sup>C]Methyl-6-(2-phenylethynyl)pyridine

2-[2-([O-<sup>11</sup>C]Tolyl)ethyl]-4,5-dihydro-1*H*-imidazole

2-[methyl-<sup>11</sup>C]Methoxyestradiol

2-Butyl-5-[<sup>11</sup>C]methoxymethyl-6-(1-oxopyridin-2-yl)-3-[[2'-(1*H*-tetrazol-5-yl)biphenyl-4-yl]methyl]-3*H*-imidazo[4,5-*b*]pyridine

2-chloro-*N*-((S)-((S)-1-[<sup>11</sup>C]methylpiperidine-2-yl)(thiophen-3-yl)methyl)-3-(trifluoromethyl)benzamide ([<sup>11</sup>C]SA1) and derivatives

2-Hydroxy-3-isobutyl-9-[<sup>11</sup>C]methoxy-10-methoxy-1,2,3,4,6,7,-hexahydro-11*bH*-bezo[*a*]-quinolizine

2β-Carbo[<sup>11</sup>C]methoxy-3β-(3'-((Z)-2-iodoethenyl)phenyl)nortropane

2 $\beta$ -Carbo[<sup>11</sup>C]methoxy-3 $\beta$ -(4'-((Z)-2-iodoethenyl)phenyl)nortropane  
2'-Fluoro-5-(<sup>[11</sup>C]-methyl)-1- $\beta$ -D-arabinofuranosyluracil  
3-(6-Methyl-pyridin-2-ylethynyl)-cyclohex-2-enone-*O*-<sup>11</sup>C-methyl-oxime  
3-[3,5-Dimethyl-4-(4-[<sup>11</sup>C]methoxypiperazinecarbonyl)-1*H*-pyrrol-2-ylmethylen]-2-oxo-2,3-dihydro-1*H*-indole-5-sulfonic acid (3-chlorophenyl)methylamide  
3-Fluoromethyl-*N*-[<sup>11</sup>C]methyl-4-phenyl-*N*-(phenylmethyl)quinoline-2-carboxamide  
3-*N*-[<sup>11</sup>C]Methylspiperone  
4-(3-Cyclopentoxy-4-[<sup>11</sup>C]methoxy-phenyl)pyrrolidin-2-one  
4-[<sup>11</sup>C]Methylphenyl-1,4-diazabicyclo[3.2.2]nonane-4-carboxylate  
4-Acetoxy-7-chloro-3-(3-(4-[<sup>11</sup>C]methoxybenzyl)phenyl)-2(1*H*)-quinolone  
4-Cyano-1-(2,4-dichlorophenyl)-5-(4-[<sup>11</sup>C]methoxyphenyl)-*N*-(piperidin-1-yl)-1*H*-pyrazole-3-carboxamide  
4-Hydroxy-, 5-hydroxy-, and 7-hydroxy- analogs of 6-hydroxy-2-(4'-[<sup>11</sup>C]methylaminophenyl)-1,3-benzothiazole  
5-(6-(5-[<sup>11</sup>C]methylhexahydropyrrolo[3,4-*c*]pyrrol-2(1*H*)-yl)pyridazin-3-yl)-1*H*-indole  
5-Amino-7-(3-(4-[<sup>11</sup>C]methoxy)phenylpropyl)-2-(2-furyl)pyrazolo[4,3-*e*]-1,2,4-triazolo[1,5-*c*]pyrimidine  
5-Methyl-8-(4-[<sup>11</sup>C]methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide  
6,7-Dimethoxy-2-[3-(5-[<sup>11</sup>C]methoxy-1,2,3,4-tetrahydro-naphthalen-1-yl)-propyl]-1,2,3,4-tetrahydro-isoquinoline  
6,7-Dimethoxy-2-{3-[4-[<sup>11</sup>C]methoxy-3,4-dihydro-2*H*-naphthalen-(1*E*)-ylidene]-propyl}-1,2,3,4-tetrahydro-isoquinoline  
6-Hydroxy-[1,1'-biphenyl]-3-yl-cyclohexyl-[<sup>11</sup>C-*carbonyl*]carbamate  
7-[<sup>11</sup>C]Methoxy-1-methyl-9*H*-[3,4-*b*]indole  
8-((*E*)-4-Fluoro-but-2-enyl)-3 $\beta$ -p-tolyl-8-aza-bicyclo[3.2.1]octane-2 $\beta$ -carboxylic acid [<sup>11</sup>C]methyl ester  
Biphenyl-3-yl-4-[<sup>11</sup>C]methoxyphenylcarbamate  
Dimethylamino-3(4-[<sup>11</sup>C]methoxyphenyl)-3*H*-pyrido[3',2':4,5]thieno[3,2-d]pyrimidin-4-one  
Ethyl 8-fluoro-5-[<sup>11</sup>C]methyl-6-oxo-4*H*-imidazo[1,5-a][1,4]benzodiazepine-3-carboxylate

L-[5-<sup>11</sup>C]-Glutamine

L-[methyl-<sup>11</sup>C]Methionine

Methyl-[<sup>11</sup>C]-4'-thiothymidine

N,N-Diethyl-2-2(2-(4-[<sup>11</sup>C]methoxyphenyl)-5,7-dimethyl-pyrazolo(1,5-a)pyrimidin-3-yl)-acetamide

N-(2-[<sup>11</sup>C],5-Dimethoxybenzyl)-N-(5-fluoro-2-phenoxyphenyl)acetamide

N-(4-(6-(Isopropylamino)pyrimidin-4-yl)-1,3-thiazol-2-yl)-4-[<sup>11</sup>C]methoxy-N-methylbenzamide

N-(4-(6-(Isopropylamino)pyrimidin-4-yl)-1,3-thiazol-2-yl)-N-methyl-4-[<sup>11</sup>C]methylbenzamide

N-[(1s)-1-[4-[[4-methoxy-2-[(4-[<sup>11</sup>C]methoxyphenyl)sulfonyl]-phenyl]sulfonyl]phenyl]ethyl]methanesulfonamide

N-[[4'-(2-Ethyl-5,7-dimethyl-3H-imidazo[4,5-b]pyridine-3-yl)methyl][1,1'-biphenyl]-2-yl]sulfonyl]-4-[<sup>11</sup>C]methoxybenzamide

N-[<sup>11</sup>C]Methyl-3-[((dimethylamino)carbonyl)oxy]-2-(2',2'-diphenylpropionoxymethyl)pyridinium

N-[<sup>11</sup>C]Methylpiperidin-4-yl acetate

N-[2-[4-(3-Cyanopyridin-2-yl)piperazin-1-yl]ethyl]-3-[<sup>11</sup>C]methoxybenzamide

N-[N-[(S)-1,3-Dicarboxypropyl]carbamoyl]-S-[<sup>11</sup>C]methyl-L-cysteine

N1'-(<sup>11</sup>C]Methyl)naltrindole

N2-{6-[(4-Amino-6,7-dimethoxy-2-quinazolinyl)(methyl)amino]hexyl}-N2-[<sup>11</sup>C]methyl-2-furamide

N-4-Fluorobut-2-yn-1-yl-2β-carbo-[<sup>11</sup>C]methoxy-3β-phenyltropane

N-Acetyl-N-(2-[<sup>11</sup>C]methoxybenzyl)-2-phenoxy-5-pyridinamine

N-Benzyl-N-ethyl -2-(7-[<sup>11</sup>C]-methyl-8-oxo-2-phenyl-7,8-dihydro-9H-purin-9-yl)acetamide

N-Methyl-[<sup>11</sup>C]-2-(4'-methylaminophenyl)-6-hydroxybenzothiasole

O-[<sup>11</sup>C]methyl derivative of 6,7-dimethoxy-2-(4-methoxy-biphenyl-4-yl-methyl)-1,2,3,4-tetrahydro-isoquinoline

R-(-)-[<sup>11</sup>C]Epinephrine

s-[<sup>11</sup>C]Methyl-L-cysteine

S-4-(3-([<sup>11</sup>C]Isopropylamino)-2-hydroxypropoxy)-2H-benzimidazol-2-one

*trans*-(+)-1,2,3,5,6,10b-Hexahydro-6-(4-([<sup>11</sup>C]methylthio)-phenyl)pyrrolo-(2,1-a)-isoquinoline