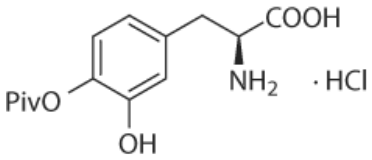
Catalogue Number	Product	Order number / Unit

1329 4-O-Pivaloyl-L-DOPA Hydrochloride

1329.0015: 15 mg per vial
1329.0030: 30 mg per vial
Please inquire for customized filling and bulk quantities.

Precursor for 6-[^{18}F]Fluoro-L-DOPA



Molar Mass: 317.77

$C_{14}H_{20}ClNO_5$

[122769-71-5]

Colourless to nearly colourless solid packaged in dark glass crimp cap vials.

Purity: > 95 %

Certificates:
CoA; ^{1}H NMR spectrum

Chemical Name:
L-Tyrosine, 3-hydroxy-4-(2,2-dimethylpropanoate)

Synonymes:
3-hydroxy-4-O-pivaloyl-L-phenylalanine hydrochloride; L-3-(3-hydroxy-4-pivaloyloxyphenyl) alanine hydrochloride; 2-Amino-3-[3,4-bis-(2,2-dimethyl-propionyloxy)-phenyl]-propionic acid hydrochloride; pivaloyl-L-dopa hydrochloride; mPdopa HCl

Literature:

Bodor N. et al. Improved Delivery through Biological Membranes. 4. Prodrugs of L-Dopa. J. Med. Chem. 1977, 20, 1435-1445.

Ihara M. et al. New Potential Prodrug to Improve the Duration of L-Dopa: L-3-(3-Hydroxy-4-pivaloyloxyphenyl)alanine. J. Pharm. Sci. 1989, 78, 525-529.

Ishiwata K. et al. Electrophilic Synthesis of 6-[18F]Fluoro-L-DOPA: Use of 4-O-Pivaloyl-L-DOPA as a Suitable Precursor for Routine Production. Appl. Radiat. Isot. 1993, 44, 755-759.

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