Catalogue Number	Product	Order number / Unit

1328 3,4-Di-O-Pivaloyl-L-DOPA

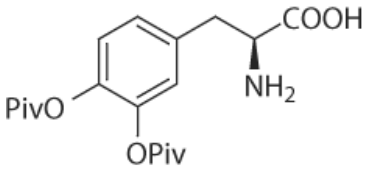
1328.0015: 15 mg per vial
1328.0030: 30 mg per vial
Please inquire for customized filling and bulk quantities.

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

Molar Mass: 365.42

$C_{19}H_{27}NO_6$

[42567-91-9]



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

Purity: > 95 %

Certificates:
CoA; ^{1}H NMR spectrum

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

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

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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