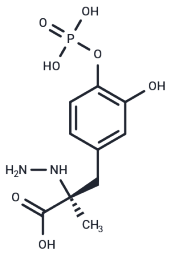
Data Sheet (Cat.No.T15339)

TargetMol

Foscarbidopa

Chemical Properties



CAS No. : 1907685-81-7

Formula: C10H15N2O7P

Molecular Weight: 306.21

Storage: Store at low temperature,Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Foscarbidopa is a prodrug of carbidopa, which is metabolised by alkaline phosphatase into carbidopa upon entering the body, thereby increasing dopamine levels. It is often used in combination with levodopa to treat motor complications in advanced Parkinson's disease.
Targets(IC50)	Dopamine Receptor,Phosphorylase

Solubility Information

Solubility	H2O: 30 mg/mL (97.97 mM),when pH is adjusted to 9 with 1 M NaOH. Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2657 mL	16.3287 mL	32.6573 mL
5 mM	0.6531 mL	3.2657 mL	6.5315 mL
10 mM	0.3266 mL	1.6329 mL	3.2657 mL
50 mM	0.0653 mL	0.3266 mL	0.6531 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Benoit CARDINAL-DAVID, et al. Carbidopa and L-Dopa Prodrugs and Methods of Use. US 20160106765 A1.
International Nonproprietary Names for Pharmaceutical Substances (INN). WHO Drug Information, Vol. 32, No. 4, 2018.

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