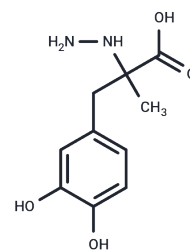


Carbidopa monohydrate

Chemical Properties

CAS No. :	38821-49-7
Formula:	C ₁₀ H ₁₆ N ₂ O ₅
Molecular Weight:	244.24
Storage:	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	Carbidopa monohydrate (S(-)-Carbidopa) is an inhibitor of DOPA decarboxylase, preventing the conversion of levodopa to dopamine.
Targets(IC50)	Aryl Hydrocarbon Receptor, Decarboxylase

Solubility Information

Solubility	DMSO: 5.5 mg/mL (22.52 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0943 mL	20.4717 mL	40.9433 mL
5 mM	0.8189 mL	4.0943 mL	8.1887 mL
10 mM	0.4094 mL	2.0472 mL	4.0943 mL
50 mM	0.0819 mL	0.4094 mL	0.8189 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

Orlefors H, et al. Eur J Nucl Med Mol Imaging. 2006 Jan;33(1):60-5.

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