

## DL-Dopa

## Chemical Properties

CAS No. : 63-84-3

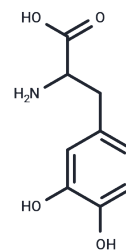
Formula: C<sub>9</sub>H<sub>11</sub>NO<sub>4</sub>

Molecular Weight: 197.19

Store at low temperature

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	DL-Dopa is a phenylalanine beta-hydroxylated derivative.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: 2.5 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	5.0713 mL	25.3563 mL	50.7125 mL
5 mM	1.0143 mL	5.0713 mL	10.1425 mL
10 mM	0.5071 mL	2.5356 mL	5.0713 mL
50 mM	0.1014 mL	0.5071 mL	1.0143 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

Yen HC, et al. Effects of various drugs on 3,4-dihydroxyphenylalanine (DL-DOPA)-induced excitation (aggressive behavior) in mice. Toxicol Appl Pharmacol. 1970 Nov;17(3):597-604.

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