

Nitroarginine

Chemical Properties

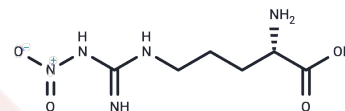
CAS No. : 2149-70-4

Formula: C₆H₁₃N₅O₄

Molecular Weight: 219.2

Storage: Keep away from direct sunlight, Store under nitrogen
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	Nitroarginine (N'-Nitro-L-arginine) is a competitive inhibitor of nitric oxide synthase which causes the selective reduction of blood flow to tumor cells[1].
Targets(IC50)	NO Synthase

Solubility Information

Solubility	DMSO: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.562 mL	22.8102 mL	45.6204 mL
5 mM	0.9124 mL	4.562 mL	9.1241 mL
10 mM	0.4562 mL	2.281 mL	4.562 mL
50 mM	0.0912 mL	0.4562 mL	0.9124 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

Quyet PV, et al. Equilibria, kinetics and mechanism for the degradation of the cytotoxic compound L-NG-nitroarginine. Drug Dev Ind Pharm. 2018 Apr;44(4):624-631.

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