

NOC-5

Chemical Properties

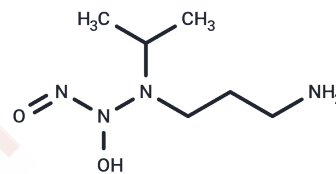
CAS No. : 146724-82-5

Formula: C₆H₁₆N₄O₂

Molecular Weight: 176.22

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	NOC-5 is an NO donor that induces airway relaxation and concentration-dependently triggers 10 μM DAF-2 fluorescence.
Targets(IC50)	Others, NO Synthase, IAP

Solubility Information

Solubility	H ₂ O: 5 mg/mL (28.37 mM), Sonication is recommended. PBS (pH 7.2): 10 mg/mL (56.75 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	5.6747 mL	28.3736 mL	56.7472 mL
5 mM	1.1349 mL	5.6747 mL	11.3494 mL
10 mM	0.5675 mL	2.8374 mL	5.6747 mL
50 mM	0.1135 mL	0.5675 mL	1.1349 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

- Sophie A Bradley, et al. Characterisation and comparison of temporal release profiles of nitric oxide generating donors. J Neurosci Methods. 2015 Apr 30;245:116-24.
- Elena G Starikova, et al. Nitric oxide donor NOC-5 increases XIAP and Aven level in Jurkat cells. Cell Biol Int. 2014 Jul;38(7):799-802.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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