

Diethylamine dinitric oxide adduct

Chemical Properties

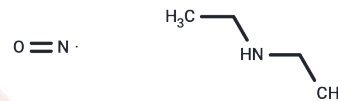
CAS No. : 92818-79-6

Formula: C₄H₁₁N₂O

Molecular Weight: 103.14

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	Diethylamine dinitric oxide adduct is a nitric oxide generator.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.6956 mL	48.4778 mL	96.9556 mL
5 mM	1.9391 mL	9.6956 mL	19.3911 mL
10 mM	0.9696 mL	4.8478 mL	9.6956 mL
50 mM	0.1939 mL	0.9696 mL	1.9391 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

Gaynullina DK, Sofronova SI, Selivanova EK, Shvetsova AA, Borzykh AA, Sharova AP, Kostyunina DS, Martyanov AA, Tarasova OS. NO-mediated anticontractile effect of the endothelium is abolished in coronary arteries of adult rats with antenatal/early postnatal hypothyroidism. *Nitric Oxide*. 2017 Feb 28;63:21-28. doi: 10.1016/j.niox.2016.12.007. Epub 2016 Dec 23. PubMed PMID: 28017871.

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Yong QC, Hu LF, Wang S, Huang D, Bian JS. Hydrogen sulfide interacts with nitric oxide in the heart: possible involvement of nitroxyl. *Cardiovasc Res*. 2010 Dec 1;88(3):482-91. doi: 10.1093/cvr/cvq248. Epub 2010 Jul 26. PubMed PMID: 20660605.

McElroy SP, Gurney AM, Drummond RM. Pharmacological profile of store-operated Ca(2+) entry in intrapulmonary artery smooth muscle cells. *Eur J Pharmacol*. 2008 Apr 14;584(1):10-20. doi: 10.1016/j.ejphar.2008.01.018. Epub 2008 Jan 26. PubMed PMID: 18308301.

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