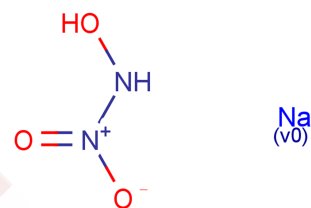


Angeli's Salt

Chemical Properties

CAS No. :	13826-64-7
Formula:	H ₂ N ₂ NaO ₃
Molecular Weight:	101.017
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	Angeli's salt is regarded as a classical nitroxyl (NO ⁻) donor, but under certain conditions evolution of NO is also observed. ¹ It spontaneously dissociates in a pH-dependent, first-order process with a half-life of 2.3 minutes at 37°C (pH 7.4) to liberate 0.54 moles of NO per mole of parent compound.[1],[2]
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 50 mg/mL (494.97 mM),Sonication is recommended. PBS (pH 7.2): 50 mg/mL (494.97 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	9.899 mL	49.4951 mL	98.9903 mL
5 mM	1.9798 mL	9.899 mL	19.7981 mL
10 mM	0.9899 mL	4.9495 mL	9.899 mL
50 mM	0.198 mL	0.9899 mL	1.9798 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

- Maragos, C.M., Morley, D., Wink, D.A., et al. Complexes of ·NO with nucleophiles as agents for the controlled biological release of nitric oxide. Vasorelaxant effects Journal of Medicinal Chemistry 34, 3242-3247 (1991).
- Keefer, L.K., Nims, R.W., Davies, K.M., et al. "NONOates" (1-substituted diazen-1-ium-1,2-diolates) as nitric oxide donors: Convenient nitric oxide dosage forms Methods in Enzymology 268, 281-293 (1996)

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