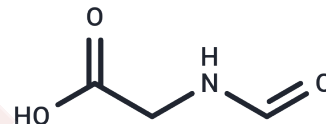


N-Formylglycine

Chemical Properties

CAS No. :	2491-15-8
Formula:	C ₃ H ₅ NO ₃
Molecular Weight:	103.08
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	N-Formylglycine, an endogenous metabolite, is an inhibitor of succinate semialdehyde dehydrogenase.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 55 mg/mL (533.57 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (19.4 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.7012 mL	48.506 mL	97.012 mL
5 mM	1.9402 mL	9.7012 mL	19.4024 mL
10 mM	0.9701 mL	4.8506 mL	9.7012 mL
50 mM	0.194 mL	0.9701 mL	1.9402 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

Appel MJ, et al. Formylglycine, a post-translationally generated residue with unique catalytic capabilities and biotechnology applications. ACS Chem Biol. 2015 Jan 16;10(1):72-84.

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