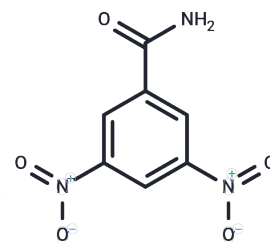


Nitromide

Chemical Properties

CAS No. :	121-81-3
Formula:	C7H5N3O5
Molecular Weight:	211.13
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	Nitromide (3,5-Dinitrobenzamide) is an anti-parasitic drug.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 11 mg/mL (52.1 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 (9.47 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	4.7364 mL	23.6821 mL	47.3642 mL
5 mM	0.9473 mL	4.7364 mL	9.4728 mL
10 mM	0.4736 mL	2.3682 mL	4.7364 mL
50 mM	0.0947 mL	0.4736 mL	0.9473 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

Chubis AI, Terebinov GI. Veterinariia. 1972 Dec;12:73-4.

Lai S, Kumari A, Liu J, et al. Chemical screening reveals Ronidazole is a superior prodrug to Metronidazole for nitroreductase-induced cell ablation system in zebrafish larvae. Journal of Genetics and Genomics. 2021

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