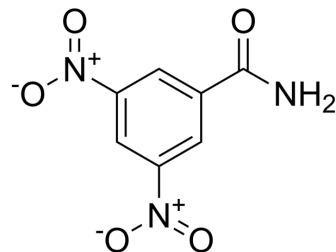


Nitromide

Cat. No.:	HY-B0945	
CAS No.:	121-81-3	
Molecular Formula:	C ₇ H ₅ N ₃ O ₅	
Molecular Weight:	211.13	
Target:	Parasite	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
		4°C 2 years
	In solvent	-80°C 2 years
		-20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (236.82 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (11.84 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (11.84 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Nitromide is an anti-parasitic agent.

CUSTOMER VALIDATION

- Zebrafish. 2023 May 25.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Yan Y, et al. Decomposition of 3,5-dinitrobenzamide in aqueous solution during UV/H₂O₂ and UV/TiO₂oxidation processes. Environ Sci Pollut Res Int. 2017 Feb;24(6):5360-5369.

Caution: Product has not been fully validated for medical applications. For research use only.

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