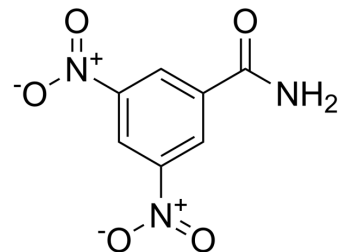


Nitromide

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)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		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	1. 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					
	2. 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.
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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/TiO₂ oxidation 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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