

Nitroxynil

Chemical Properties

CAS No. :	1689-89-0
Formula:	C7H3IN2O3
Molecular Weight:	290.01
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	Nitroxynil (4-Hydroxy-3-iodo-5-nitrobenzonitrile) is an anthelmintic compound that effectively targets parasites in both adult and immature stages. It is extensively employed in investigations pertaining to Fasciola hepatica infection.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 50 mg/mL (172.41 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	3.4482 mL	17.2408 mL	34.4816 mL
5 mM	0.6896 mL	3.4482 mL	6.8963 mL
10 mM	0.3448 mL	1.7241 mL	3.4482 mL
50 mM	0.069 mL	0.3448 mL	0.6896 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.

Reference

Holsback L, et, al. Anthelmintic efficiency of doramectin, fenbendazole, and nitroxynil, in combination or individually, in sheep worm control. Rev Bras Parasitol Vet. Jul-Sep 2016;25(3):353-8.

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