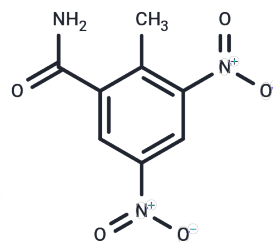


Dinitolmide

Chemical Properties

CAS No. :	148-01-6
Formula:	C ₈ H ₇ N ₃ O ₅
Molecular Weight:	225.16
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dinitolmide (Zoalene), a poultry feed additive, is a coccidiostat for poultry.
Targets(IC50)	Antibiotic,Parasite
In vivo	Overall mean recoveries greater than 85% are obtained with Zoalene and its 2 monoamino metabolites in breast, thigh, and liver tissues fortified with 0.25-2.00 ppm. [2]

Solubility Information

Solubility	DMSO: 18.33 mg/mL (81.42 mM),Sonication is recommended. Ethanol: 1 mg/mL (4.44 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4413 mL	22.2064 mL	44.4129 mL
5 mM	0.8883 mL	4.4413 mL	8.8826 mL
10 mM	0.4441 mL	2.2206 mL	4.4413 mL
50 mM	0.0888 mL	0.4441 mL	0.8883 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

Analyst, 1969(94), 1159-1163
Parks OW, et al. J Assoc Off Anal Chem, 1986, 69(1), 70-71.

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