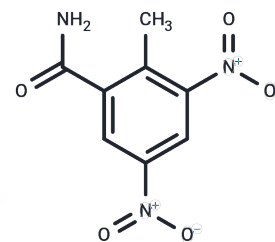


## Dinitolmide

## Chemical Properties

CAS No. :	148-01-6
Formula:	C <sub>8</sub> H <sub>7</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	225.16
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	Dinitolmide (Zalene), a poultry feed additive, is a coccidiostat for poultry.
Targets(IC50)	Antibiotic,Parasite
In vivo	Overall mean recoveries greater than 85% are obtained with Zalene 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 (81.41 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)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.88 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

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	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

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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

Analyst, 1969(94), 1159-1163

Parks OW, et al. J Assoc Off Anal Chem, 1986, 69(1), 70-71.

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