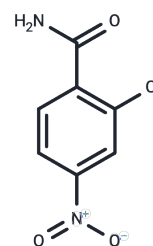


Aklomide

Chemical Properties

CAS No. :	3011-89-0
Formula:	C7H5ClN2O3
Molecular Weight:	200.58
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	Aklomide (2-Chloro-4-nitrobenzamide) is used in poultry to treat parasites.
Targets(IC50)	Antibiotic,Parasite

Solubility Information

Solubility	DMSO: 45 mg/mL (224.35 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (24.93 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

	1mg	5mg	10mg
1 mM	4.9855 mL	24.9277 mL	49.8554 mL
5 mM	0.9971 mL	4.9855 mL	9.9711 mL
10 mM	0.4986 mL	2.4928 mL	4.9855 mL
50 mM	0.0997 mL	0.4986 mL	0.9971 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.

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

Baron RR, et al. Poult Sci. 1966 Mar;45(2):411-8.

Lai S, Kumari A, Liu J, et al. Chemical screening reveals Ronidazole is a superior prodrug to Metronidazole for nitroreductase-induced cell ablation system in zebrafish larvae. Journal of Genetics and Genomics. 2021

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