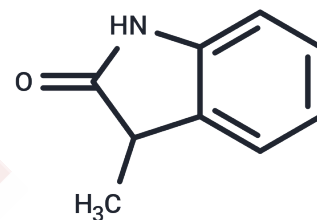


3-Methylindolin-2-one

Chemical Properties

CAS No. :	1504-06-9
Formula:	C ₉ H ₉ NO
Molecular Weight:	147.17
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	3-Methyloxindole is a phenolic viral inducer that is an acetylcholinesterase inhibitor.
Targets(IC50)	Endogenous Metabolite,Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 60 mg/mL (407.69 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: 2 mg/mL (13.59 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	6.7949 mL	33.9743 mL	67.9486 mL
5 mM	1.359 mL	6.7949 mL	13.5897 mL
10 mM	0.6795 mL	3.3974 mL	6.7949 mL
50 mM	0.1359 mL	0.6795 mL	1.359 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

Potchoiba MJ, et al. Am J Vet Res. 1982 Aug; 43(8):1418-23.

Jin Y, et al. Direct asymmetric anti-Mannich-type reactions catalyzed by cinchona alkaloid derivatives. Chirality. 2014 Dec;26(12):801-5.

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