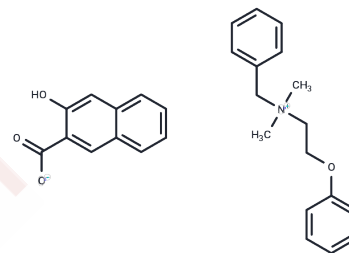


Bephenium (hydroxynaphthoate)

Chemical Properties

CAS No. :	3818-50-6
Formula:	C ₂₈ H ₂₉ NO ₄
Molecular Weight:	443.53
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	Bephenium hydroxynaphthoate is a B-type AChR activator, formerly used in the treatment of hookworm infections and ascariasis.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 25 mg/mL (56.37 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: 2.5 mg/mL (5.64 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	2.2546 mL	11.2732 mL	22.5464 mL
5 mM	0.4509 mL	2.2546 mL	4.5093 mL
10 mM	0.2255 mL	1.1273 mL	2.2546 mL
50 mM	0.0451 mL	0.2255 mL	0.4509 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

MEHROTRA MP, MALAVIYA US. Indian J Med Sci. 1963 Dec;17:930-3.

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