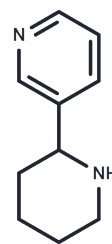


(±) Anabesine

Chemical Properties

CAS No. :	13078-04-1
Formula:	C ₁₀ H ₁₄ N ₂
Molecular Weight:	162.23
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	(±) Anabesine is a muscle relaxant that can be used for muscle relaxation during surgery.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 22.5 mg/mL (138.69 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 (12.33 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	6.1641 mL	30.8204 mL	61.6409 mL
5 mM	1.2328 mL	6.1641 mL	12.3282 mL
10 mM	0.6164 mL	3.082 mL	6.1641 mL
50 mM	0.1233 mL	0.6164 mL	1.2328 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

Levin E D , Hao I , Burke D A , et al. Effects of Tobacco Smoke Constituents, Anabasine and Anatabine, on Memory and Attention in Female Rats[J]. Journal of Psychopharmacology, 2014, 28(10).

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