

Mepenzolate Bromide

Chemical Properties

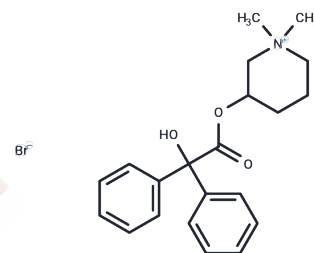
CAS No. : 76-90-4

Formula: C₂₁H₂₆BrNO₃

Molecular Weight: 420.34

Storage: Keep away from moisture, Store under nitrogen
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	Mepenzolate Bromide (Colibantil) is a muscarinic antagonist used to treat gastrointestinal conditions.
Targets(IC50)	AChR, GPCR

Solubility Information

Solubility	DMSO: 250 mg/mL (594.76 mM), Sonication is recommended. H ₂ O: 10 mg/mL (23.79 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: 1 mg/mL (2.38 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (23.79 mM), Suspension. <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	2.379 mL	11.8951 mL	23.7903 mL
5 mM	0.4758 mL	2.379 mL	4.7581 mL
10 mM	0.2379 mL	1.1895 mL	2.379 mL
50 mM	0.0476 mL	0.2379 mL	0.4758 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

Tsai CS, et al. J Ethnopharmacol. 1995 Mar;45(3):215-22.

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