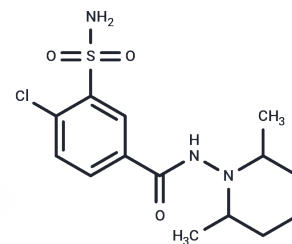


Clopamide

Chemical Properties

CAS No. :	636-54-4
Formula:	C ₁₄ H ₂₀ ClN ₃ O ₃ S
Molecular Weight:	345.84
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	Clopamide (Brinaldix) is a piperidine and sulfamoylbenzamide-based diuretic with thiazide-like diuretic activity.
Targets(IC50)	Sodium Channel

Solubility Information

Solubility	DMSO: 25 mg/mL (72.29 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 (5.78 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	2.8915 mL	14.4576 mL	28.9151 mL
5 mM	0.5783 mL	2.8915 mL	5.783 mL
10 mM	0.2892 mL	1.4458 mL	2.8915 mL
50 mM	0.0578 mL	0.2892 mL	0.5783 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

du Preez MJ, Lockett CJ. J Am Coll Nutr. 1991 Feb;10(1):34-7.

McNeil JJ, et al. Clin Pharmacol Ther. 1987 Sep;42(3):299-304.

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