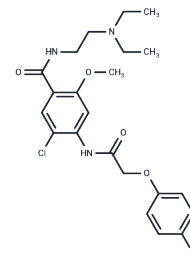


Cloxacepride

Chemical Properties

CAS No. :	65569-29-1
Formula:	C ₂₂ H ₂₇ Cl ₂ N ₃ O ₄
Molecular Weight:	468.37
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	cloxacepride is a CaM antagonist that is used to treat asthma disease.
Targets(IC50)	CaMK
In vitro	Cloxacepride (10 ⁻⁵)-10 ⁻⁴ M; mast cell) significantly inhibited Con A-induced histamine release. This inhibitory effect was not diminished by increasing the preincubation time for up to 30 min. In contrast, Cloxacepride concentrations greater than 4 x 10 ⁻⁵ M caused a substantial histamine release. This effect could not be alleviated by an increase in the number of mast cells per sample. These results then suggest a very narrow range of therapeutic potential for Cloxacepride.[1]

Solubility Information

Solubility	DMSO: 4.69 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1351 mL	10.6753 mL	21.3506 mL
5 mM	0.427 mL	2.1351 mL	4.2701 mL
10 mM	0.2135 mL	1.0675 mL	2.1351 mL
50 mM	0.0427 mL	0.2135 mL	0.427 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

Schmutzler W, et al. The effects of metoclopramide and cloxacepride on human mast cells from adenoidal tissues. Agents Actions. 1989;27(1-2):110-112.

Friedrich G, et al. Inhibitory effect of cloxacepride on compound 48/80-induced histamine and serotonin release from rat mast cells. Arch Int Pharmacodyn Ther. 1984;267(2):264-268.

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