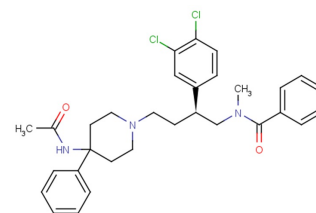


Saredutant

Chemical Properties

CAS No.:	142001-63-6
Formula:	C ₃₁ H ₃₅ Cl ₂ N ₃ O ₂
Molecular Weight:	552.53
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Saredutant is an antagonist of selective NK2 receptors.
Targets(IC ₅₀)	NK2: None
In vivo	Saredutant has dose-dependent effects on swim test immobility, with a low dose of 1 mg/kg having no effect and the doses of 3 and 10 mg/kg significantly reducing immobility. Saredutant has both antidepressant-like effects and synergizes with desipramine in an animal model of depression [1].

Solubility Information

Solubility	DMSO: 250 mg/mL (452.46 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.81 mL	9.049 mL	18.099 mL
5 mM	0.362 mL	1.81 mL	3.62 mL
10 mM	0.181 mL	0.905 mL	1.81 mL
50 mM	0.036 mL	0.181 mL	0.362 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Overstreet DH, et al. Saredutant, an NK2 receptor antagonist, has both antidepressant-like effects and synergizes with Desipramine in an animal model of depression. Pharmacol Biochem Behav. 2010 Aug;96(2):206-10.

Inhibitors · Natural Compounds · Compound Libraries

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