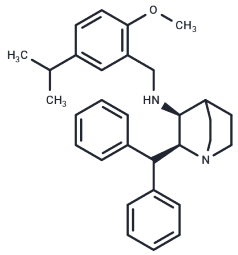
Data Sheet (Cat.No.T68068)

TargetMol

Ezlopitant

Chemical Properties



CAS No. : 147116-64-1

Formula: C31H38N2O

Molecular Weight: 454.65

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	Ezlopitant (CJ-11974) is a small molecule neurokinin-1-receptor (NK1) antagonist used to treat nausea, vomiting and pain.
Targets(IC50)	Neurokinin receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (109.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1995 mL	10.9975 mL	21.9949 mL
5 mM	0.4399 mL	2.1995 mL	4.399 mL
10 mM	0.2199 mL	1.0997 mL	2.1995 mL
50 mM	0.044 mL	0.2199 mL	0.4399 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

Reed-Hagen AE, et al. Pharmacokinetics of ezlopitant, a novel non-peptidic neurokinin-1 receptor antagonist in preclinical species and metabolite kinetics of the pharmacologically active metabolites. Biopharm Drug Dispos. 1999 Dec;20(9):429-39.

Obach RS. Mechanism of cytochrome P4503A4- and 2D6-catalyzed dehydrogenation of ezlopitant as probed with isotope effects using five deuterated analogs. Drug Metab Dispos. 2001 Dec;29(12):1599-607.

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