Data Sheet (Cat.No.T10665)

TargetMol

Calcium-Sensing Receptor Antagonists I

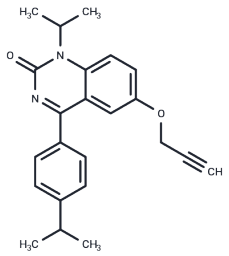
Chemical Properties

CAS No. : 478963-79-0

Formula: C23H24N2O2

Molecular Weight: 360.45

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	Calcium-Sensing Receptor Antagonists I functions as an antagonist to the parathyroid hormone receptors that sense calcium.
Targets(IC50)	Others,CaSR

Solubility Information

Solubility	DMSO: 100 mg/mL (277.43 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: 4 mg/mL (11.1 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7743 mL	13.8715 mL	27.7431 mL
5 mM	0.5549 mL	2.7743 mL	5.5486 mL
10 mM	0.2774 mL	1.3872 mL	2.7743 mL
50 mM	0.0555 mL	0.2774 mL	0.5549 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

Widler, Leo et al. 1-Alkyl-4-phenyl-6-alkoxy-1H-quinazolin-2-ones: A Novel Series of Potent Calcium-Sensing Receptor Antagonists.Journal of Medicinal Chemistry(2010),53(5), 2250-2263.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481