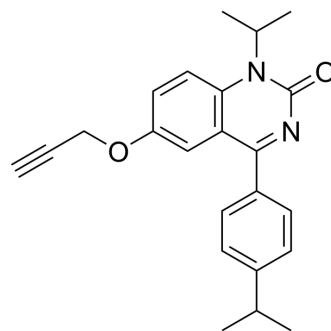


Calcium-Sensing Receptor Antagonists I

Cat. No.:	HY-50713		
CAS No.:	478963-79-0		
Molecular Formula:	C ₂₃ H ₂₄ N ₂ O ₂		
Molecular Weight:	360.45		
Target:	CaSR		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (277.43 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 3.25 mg/mL (9.02 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 3.25 mg/mL (9.02 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Calcium-Sensing Receptor Antagonists I is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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