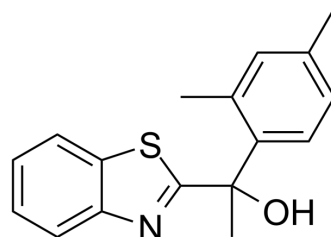


AC-265347

Cat. No.:	HY-117851		
CAS No.:	1253901-26-6		
Molecular Formula:	C ₁₇ H ₁₇ NOS		
Molecular Weight:	283.39		
Target:	CaSR		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (352.87 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5287 mL	17.6435 mL	35.2871 mL
	5 mM	0.7057 mL	3.5287 mL	7.0574 mL
	10 mM	0.3529 mL	1.7644 mL	3.5287 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: ≥ 2.5 mg/mL (8.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

AC-265347 is a calcium-sensing receptor (CaSR) agonist and positive allosteric modulator (ago-PAM) with the functional affinity (pK_B) of 5.1. AC-265347 can be used for the research of hyperparathyroidism and related diseases^[1].

REFERENCES

[1]. CaSR PAM AC-265347 is a calcium-sensing receptor (CaSR) agonist and positive allosteric modulator (ago-PAM) with the functional affinity (pK_B) of 5.1. AC-265347 can be used for the research of hyperparathyroidism and related disease

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

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