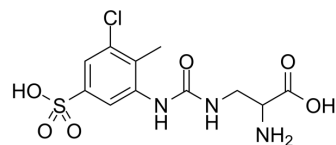


(Rac)-Upacicalcet

Cat. No.:	HY-109106B		
CAS No.:	2649575-19-7		
Molecular Formula:	C ₁₁ H ₁₄ ClN ₃ O ₆ S		
Molecular Weight:	351.76		
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 (284.28 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8428 mL	14.2142 mL	28.4285 mL
	5 mM	0.5686 mL	2.8428 mL	5.6857 mL
	10 mM	0.2843 mL	1.4214 mL	2.8428 mL

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

BIOLOGICAL ACTIVITY

Description

(Rac)-Upacicalcet is the racemate of Upacicalcet. Upacicalcet is an intravenous calcimimetic agent. Upacicalcet suppresses excessive parathyroid hormone (PTH) secretion, thereby lowering blood PTH levels, by acting directly on parathyroid cell membrane calcium-sensing receptors. Upacicalcet can be used for researching the disease of secondary hyperparathyroidism (SHPT)^[1].

REFERENCES

[1]. Hoy SM. Upacicalcet: First Approval. *Drugs*. 2021;81(13):1593-1596.

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

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