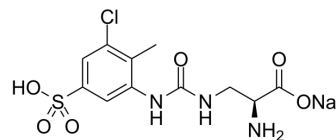


Upacicalcet sodium

Cat. No.:	HY-109106A
CAS No.:	2052969-18-1
Molecular Formula:	C ₁₁ H ₁₃ ClN ₃ NaO ₆ S
Molecular Weight:	373.75
Target:	CaSR
Pathway:	GPCR/G Protein
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (267.56 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6756 mL	13.3779 mL	26.7559 mL
	5 mM	0.5351 mL	2.6756 mL	5.3512 mL
	10 mM	0.2676 mL	1.3378 mL	2.6756 mL

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

BIOLOGICAL ACTIVITY

Description

Upacicalcet sodium 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].

IC₅₀ & Target

calcium-sensing receptors^[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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