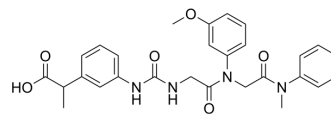


RP 72540

Cat. No.:	HY-100481
CAS No.:	139088-45-2
Molecular Formula:	C ₂₈ H ₃₀ N ₄ O ₆
Molecular Weight:	518.56
Target:	Cholecystokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

RP 72540 is a selective CCK-B receptor antagonist, with IC₅₀ values of 2.4, 1.2, and 3.8 nM for CCK-B receptors in the guinea pig cerebral cortex, rat cerebral cortex, and mouse brain, respectively. RP 72540 effectively inhibits CCK-8-induced neuronal firing and dose-dependently inhibits gastric acid secretion, making it potentially valuable in studies of acid secretion. RP 72540 is an important tool for investigating the physiological functions of CCK B receptors^[1].

REFERENCES

[1]. Bertrand P, et al. Pharmacological properties of ureido-acetamides, new potent and selective non-peptide CCKB/gastrin receptor antagonists. Eur J Pharmacol. 1994 Sep 12;262(3):233-45.

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

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