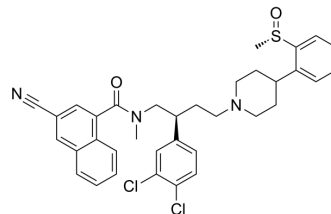


ZD6021

Cat. No.:	HY-118378
CAS No.:	255049-08-2
Molecular Formula:	C ₃₅ H ₃₅ Cl ₂ N ₃ O ₂ S
Molecular Weight:	632.64
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ZD6021 is an orally active Neurokinin 1 Receptor antagonist, with K_i values of 0.12 nM for NK1 and 0.62 nM for NK2. At a concentration of 100 nM, ZD6021 has a pK_B value of 8.9 for human pulmonary artery NK1 receptors, and a pK_B value of 7.3 for human bronchial NK2 receptors. ZD6021 effectively reduces ASMSP-induced plasma protein extravasation in guinea pigs, with an ED_{50} of 0.5 mg/kg, and also decreases NK2 mediated bronchoconstriction, with an ED_{50} of 13 mg/kg^[1].

REFERENCES

[1]. Bernstein PR, et al. Discovery of novel, orally active dual NK1/NK2 antagonists. *Bioorg Med Chem Lett*. 2001 Oct 22;11(20):2769-73.

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

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