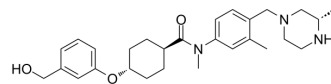


DS-3801b

Cat. No.:	HY-144401		
CAS No.:	1369412-66-7		
Molecular Formula:	C ₂₈ H ₃₉ N ₃ O ₃		
Molecular Weight:	465.63		
Target:	Motilin Receptor		
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 (214.76 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1476 mL	10.7381 mL	21.4763 mL
	5 mM	0.4295 mL	2.1476 mL	4.2953 mL
	10 mM	0.2148 mL	1.0738 mL	2.1476 mL

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

BIOLOGICAL ACTIVITY

Description

DS-3801b is a potent and non-macrolide agonist of GPR38. DS-3801b is expected to be novel gastrointestinal prokinetic agents for the research of functional gastrointestinal disorders such as gastroparesis and chronic constipation^[1].

REFERENCES

[1]. Toda N, et al. Discovery of DS-3801b, a non-macrolide GPR38 agonist with N-methylanilide structure. *Bioorg Med Chem Lett.* 2022;59:128554.

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

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