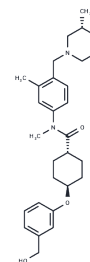


DS-3801b

## Chemical Properties

CAS No. :	1369412-66-7
Formula:	C <sub>28</sub> H <sub>39</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	465.63
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	DS-3801b is a non-macrolide GPR38 agonist with an N-methylaniline structure for the study of functional gastrointestinal disorders.
Targets(IC50)	Motilin Receptor

## Solubility Information

Solubility	DMSO: 80 mg/mL (171.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.043 mL	0.2148 mL	0.4295 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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

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