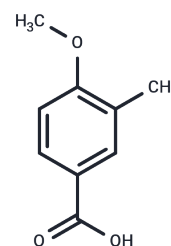


## MOMBA

## Chemical Properties

CAS No. :	6880-04-2
Formula:	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>
Molecular Weight:	166.17
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MOMBA is a selective orthosteric agonist specifically targeting engineered human free fatty acid 2 (hFFA2) receptors, particularly those modified as designer receptors activated by designer drugs (DREADD). It demonstrates selective inactivity towards wild-type hFFA2, hFFA3, and mouse FFA2 receptors. It efficiently inhibits forskolin-induced cAMP levels in cells equipped with the hFFA2-DREADD receptor, exhibiting enhanced potency and comparable efficacy to Sorbic acid. In transgenic mice containing the hFFA2-DREADD gene, MOMBA administration notably slows gut transit and facilitates a concentration-dependent enhancement of GLP-1 secretion from colonic crypts, all while being orally bioavailable.
Targets(IC50)	Others,GPCR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0179 mL	30.0897 mL	60.1793 mL
5 mM	1.2036 mL	6.0179 mL	12.0359 mL
10 mM	0.6018 mL	3.009 mL	6.0179 mL
50 mM	0.1204 mL	0.6018 mL	1.2036 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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