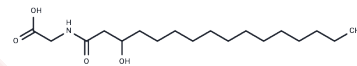


Commendamide

Chemical Properties

CAS No. :	193825-78-4
Formula:	C18H35NO4
Molecular Weight:	329.47
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	Commendamide is a natural bacterial product that was discovered in a screen for commensal bacteria effector genes (Cbegs). Cbeg12 is a bacterial effector gene that encodes for its production. Commendamide is structurally similar to long-chain N-acyl amides, which commonly signal, in mammals, through G protein-coupled receptors. Commendamide activates GPR132 (also known as G2A) with an EC50 value of 11.8 μM.
Targets(IC50)	Others, GPCR

Solubility Information

Solubility	Ethanol: 15 mg/mL (45.53 mM), Sonication is recommended. DMSO: 20 mg/mL (60.7 mM), Sonication is recommended. DMF: 25 mg/mL (75.88 mM), Sonication is recommended. DMF:PBS(pH7.2) (1:2): 0.3 mg/mL (0.91 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	3.0352 mL	15.1759 mL	30.3518 mL
5 mM	0.607 mL	3.0352 mL	6.0704 mL
10 mM	0.3035 mL	1.5176 mL	3.0352 mL
50 mM	0.0607 mL	0.3035 mL	0.607 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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