

AM-3189

Chemical Properties

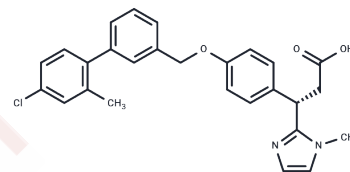
CAS No. : 916219-50-6

Formula: C₂₇H₂₅ClN₂O₃

Molecular Weight: 460.95

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	AM-3189 is a potent and selective GPR40 Agonist with minimal CNS penetration, superior pharmacokinetic properties and in vivo efficacy comparable to AMG 837. AM-3189 maintains the in vivo efficacy of AMG 837 while displaying a superior pharmacokinetic profile and minimal CNS exposure. Similar to AMG 837, while highly potent on GPR40, AM-3189 was highly selective over the closely related GPCRs, GPR41 and GPR43. 13kdemonstrated low clearance, moderate volume of distribution, and good oral bioavailability. AM-3189 does not penetrate the rat CNS as indicated by a rat brain to plasma ratio of 0.04 at 3 h after an oral dose of 5 mg/kg.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1694 mL	10.8472 mL	21.6943 mL
5 mM	0.4339 mL	2.1694 mL	4.3389 mL
10 mM	0.2169 mL	1.0847 mL	2.1694 mL
50 mM	0.0434 mL	0.2169 mL	0.4339 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

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