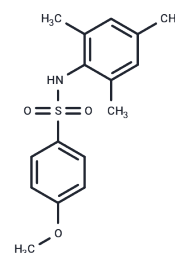


GSK137647A

Chemical Properties

CAS No. : 349085-82-1
 Formula: C₁₆H₁₉NO₃S
 Molecular Weight: 305.39
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GSK137647A (GSK 137647) is a selective FFA4 agonist.
Targets(IC50)	GPR
Kinase Assay	HDAC-inhibitory activity: For the enzyme assay, 10 µL of [3H]acetyl-labeled histones (25,000 cpm/10 µg) are added to 90 µL of the HDAC enzyme fraction extracted from 293T cells overexpressing HDAC1 or HDAC2 in the presence of increasing concentrations of Romidepsin, and the mixture is incubated at 37 °C for 15 minutes. The enzyme reaction is linear for at least 1 hour. The reaction is stopped by the addition of 10 µL of concentrated HCl. The released [3H]acetic acid is extracted with 1 mL of ethylacetate, and 0.9 mL of the solvent layer is taken into 5 mL of aqueous counting scintillant II solution for determination of radioactivity. The IC50 values are determined from at least three independent dose-response curves.

Solubility Information

Solubility	DMSO: 50 mg/mL (163.73 mM), H ₂ O: < 0.06 mg/mL (insoluble or slightly soluble), < 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2745 mL	16.3725 mL	32.745 mL
5 mM	0.6549 mL	3.2745 mL	6.549 mL
10 mM	0.3275 mL	1.6373 mL	3.2745 mL
50 mM	0.0655 mL	0.3275 mL	0.6549 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.

Reference

Li M, Wu Y, Qiu J, et al. Huangqin Decoction ameliorates ulcerative colitis by regulating fatty acid metabolism to mediate macrophage polarization via activating FFAR4-AMPK-PPAR α pathway. Journal of Ethnopharmacology.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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