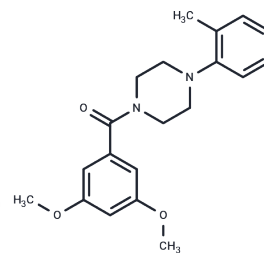


GAC0003A4

Chemical Properties

CAS No. : 929492-71-7
 Formula: C₂₀H₂₄N₂O₃
 Molecular Weight: 340.42
 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	GAC0003A4 is a potent LXR inverse agonist with antitumor activity that inhibits the transcription of LXR proteins. GAC0003A4 degrades LXR β proteins and inhibits the proliferation of PDAC cells in a dose-dependent manner. GAC0003A4 has been used in the study of advanced pancreatic cancers and other recalcitrant malignancies.
Targets(IC50)	Liver X Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (235 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	2.9375 mL	14.6877 mL	29.3755 mL
5 mM	0.5875 mL	2.9375 mL	5.8751 mL
10 mM	0.2938 mL	1.4688 mL	2.9375 mL
50 mM	0.0588 mL	0.2938 mL	0.5875 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

Karaboga H, et al. Screening of Focused Compound Library Targeting Liver X Receptors in Pancreatic Cancer Identified Ligands with Inverse Agonist and Degradation Activity. ACS Chem Biol. 2020 Nov 20;15(11):2916-2928.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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