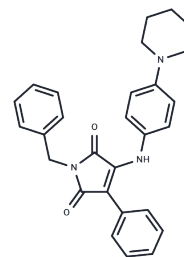


LXR α agonist 1

Chemical Properties

CAS No. :	1790089-97-2
Formula:	C ₂₈ H ₂₇ N ₃ O ₂
Molecular Weight:	437.533
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	LXR α agonist 1 (Compound 40) is a selective activator of LXR α , with an EC ₅₀ of 42 nM, and also demonstrates some activation effects on LXR β , with an EC ₅₀ of 266 nM. It promotes target gene transcription by stabilizing the ligand-binding domain (LBD) of LXR α . When combined with the Raf inhibitor Sorafenib, LXR α agonist 1 shows significant antitumor activity in liver cancer cells. This compound is applicable in research focused on lipotoxicity-related cancers.
Targets(IC50)	Liver X Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2856 mL	11.4278 mL	22.8556 mL
5 mM	0.4571 mL	2.2856 mL	4.5711 mL
10 mM	0.2286 mL	1.1428 mL	2.2856 mL
50 mM	0.0457 mL	0.2286 mL	0.4571 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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