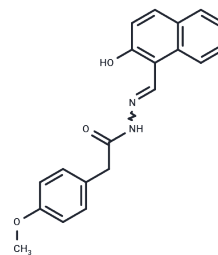


XS-060

Chemical Properties

CAS No. : 346721-50-4
 Formula: C₂₀H₁₈N₂O₃
 Molecular Weight: 334.37
 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	XS-060 is a potent RXR α antagonist that induces RXR α -dependent mitotic arrest by inhibiting the interaction between phosphorylated RXR α (pRXR α) and PLK1. XS-060 has demonstrated promising antitumor activity in studies of breast cancer, lung adenocarcinoma, and liver cancer.
Targets(IC50)	Retinoid Receptor
In vitro	In vitro studies indicate that XS-060 disrupt cell cycle progression by specifically targeting the pRXR α -PLK1 interaction. These compounds effectively induce RXR α -dependent mitotic arrest, inhibiting proliferation in breast, lung, and liver cancer cells. This novel mechanism involving nuclear receptor-kinase complex disruption provides a critical basis for developing potent anticancer therapies [1].

Solubility Information

Solubility	DMSO: 140.00 mg/mL (418.70 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	2.9907 mL	14.9535 mL	29.907 mL
5 mM	0.5981 mL	2.9907 mL	5.9814 mL
10 mM	0.2991 mL	1.4953 mL	2.9907 mL
50 mM	0.0598 mL	0.2991 mL	0.5981 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

Medhurst AD, Kaumann AJ. Characterization of the 5-HT₄ receptor mediating tachycardia in piglet isolated right atrium. British journal of pharmacology. 1993 Nov;110(3):1023-30.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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