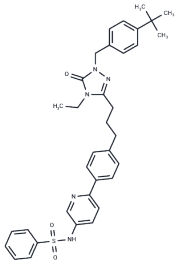
Data Sheet (Cat.No.T12278)

TargetMol
YOUR TARGET MOLECULES

NXT629

Chemical Properties



CAS No. : 1454925-59-7

Formula: C35H39N5O3S

Molecular Weight: 609.78

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	NXT629 is a selective and competitive antagonist of PPAR-α(human PPARα with an IC50 of 77 nM).
Targets(IC50)	Estrogen/progestogen Receptor
In vitro	NXT629 is a potent and selective antagonist of PPAR-α(human PPARα,IC50 of 77 nM), shows high selectivity over other nuclear hormone receptor, [2].
In vivo	NXT629 has poor oral bioavailability in mice and rats.?NXT629 (30 mg/kg, i.p., daily for 6 weeks) delays growth of subcutaneous SKOV-3 tumors in nude mice, inhibits growth of subcutaneous B16F10 tumors in C57Bl/6 mice.?NXT629 (30 mg/kg, i.p.) is weakly anti-angiogenic against FGF-induced angiogenesis.?NXT629 (3, 30 mg/kg, i.p.) inhibits experimental metastasis of B16F10 melanoma cells to the mouse lung[2].

Solubility Information

Solubility	DMSO: 125 mg/mL (204.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6399 mL	8.1997 mL	16.3994 mL
5 mM	0.328 mL	1.6399 mL	3.2799 mL
10 mM	0.164 mL	0.820 mL	1.6399 mL
50 mM	0.0328 mL	0.164 mL	0.328 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

Bravo Y, et al. Identification of the first potent, selective and bioavailable PPARα antagonist. Bioorg Med Chem Lett. 2014 May 15;24(10):2267-72.

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