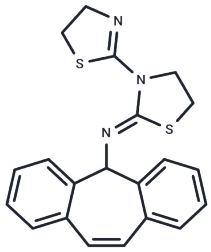
Data Sheet (Cat.No.T11230)

TargetMol

ERRα antagonist-1

Chemical Properties



CAS No. : 1072145-33-5

Formula: C21H19N3S2

Molecular Weight: 377.53

Appearance: no data available

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

Biological Description

Description	ERRα antagonist-1 (ERR+/- antagonist-1) is a high-affinity, selective antagonist of the estrogen-related receptor α (ERRα). It effectively prevents the interaction of ERRα with both Proliferator-activated Receptor γ Coactivator-1α (PGC-1α) and PGC-1β, displaying IC50 values of 170 nM and 180 nM, respectively. Notably, ERRα antagonist-1 does not interfere with the interactions involving ERRβ or ERRγ and the PGC-1α and PGC-1β coactivators. Furthermore, it does not affect the interaction between either ERα or ERβ and PGC-1α or SRC-1.
Targets(IC50)	Estrogen/progestogen Receptor

Solubility Information

Solubility	DMSO: 8 mg/mL (21.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6488 mL	13.244 mL	26.488 mL
5 mM	0.5298 mL	2.6488 mL	5.2976 mL
10 mM	0.2649 mL	1.3244 mL	2.6488 mL
50 mM	0.053 mL	0.2649 mL	0.5298 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

Michael J. Chisamore, et al. Identification of Small Molecule Estrogen-Related

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