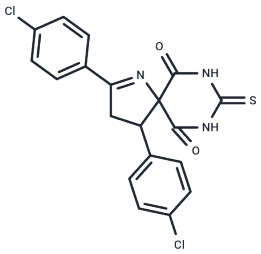
Data Sheet (Cat.No.T9150)

TargetMol

SCR130

Chemical Properties



CAS No. : 2377858-38-1

Formula: C19H13Cl2N3O2S

Molecular Weight: 418.3

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	SCR130 (1,7,9-Triazaspiro[4.5]dec-1-ene-6,10-dione, 2,4-bis(4-chlorophenyl)-8-thioxo-) is enzyme inhibition, antiproliferative effects and antifungal activity.
Targets(IC50)	Apoptosis,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 65 mg/mL (155.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (5.98 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3906 mL	11.9531 mL	23.9063 mL
5 mM	0.4781 mL	2.3906 mL	4.7813 mL
10 mM	0.2391 mL	1.1953 mL	2.3906 mL
50 mM	0.0478 mL	0.2391 mL	0.4781 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

Gopinatha V K , Swarup H A , Raghavan S C , et al. Discovery of Novel Approach for Regioselective Synthesis of Thioxotriaza-Spiro Derivatives via Oxalic Acid[J]. Synlett, 2019, 30(17):2004.

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