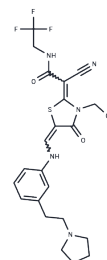


ZK-Thiazolidinone

Chemical Properties

CAS No. :	891849-87-9
Formula:	C ₂₃ H ₂₆ F ₃ N ₅ O ₂ S
Molecular Weight:	493.55
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	ZK-Thiazolidinone, also known as TAL, is an ATP-competitive inhibitor of PLK1. In vitro, ZK-Thiazolidinone counteracts the role of Plk1 in previously established functions, notably, sister chromatid separation, centrosome maturation, and bipolar spindle assembly. In vivo, ZK-Thiazolidinone selectively inhibits PLK1 and causes a prometaphase-like mitotic (G ₂ -M) arrest. ZK-Thiazolidinone inhibits human PLK1 (IC ₅₀ , 19± 12 nM) and various human and mouse tumor cell lines (IC ₅₀ , 0.2-1.3 μM). ZK-Thiazolidinone impairs centrosome maturation.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0261 mL	10.1307 mL	20.2614 mL
5 mM	0.4052 mL	2.0261 mL	4.0523 mL
10 mM	0.2026 mL	1.0131 mL	2.0261 mL
50 mM	0.0405 mL	0.2026 mL	0.4052 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481