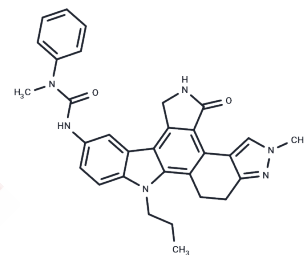


CEP-14083

Chemical Properties

CAS No. : 856692-39-2
 Formula: C₃₁H₃₀N₆O₂
 Molecular Weight: 518.61
 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	CEP-14083 is a potent ALK inhibitor that has shown activity in an NPM/ALK-carrying T-cell lymphoma in vitro study. Presumably, this compound binds to the hinge region of the kinase in an ATP-competitive manner. CEP-14083 displays a potent activity against ALK in enzymatic assays (IC ₅₀ = 11 nmol/L). Further, CEP-14083 is also able to inhibit the insulin receptor at a concentration within a nanomolar range. In a preclinical assay, CEP-14083 showed that, via NPM/ALK TK inhibition, it could control the expression of molecules that determine T-cell identity and signaling in lymphoma cells. CEP-14083 has shown preclinical activity in both cell lines and animal models harboring ALK alteration.
Targets(IC ₅₀)	Others,ALK,IGF-1R,Tie-2,VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9282 mL	9.6412 mL	19.2823 mL
5 mM	0.3856 mL	1.9282 mL	3.8565 mL
10 mM	0.1928 mL	0.9641 mL	1.9282 mL
50 mM	0.0386 mL	0.1928 mL	0.3856 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