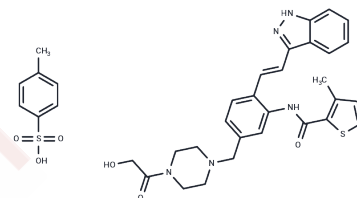


KW-2450 Tosylate

Chemical Properties

CAS No. :	1360433-93-7
Formula:	C35H37N5O6S2
Molecular Weight:	687.83
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	KW-2450 Tosylate is an orally bioavailable inhibitor of insulin-like growth factor 1 receptor (IGF-1R) and insulin receptor (IR) tyrosine kinases with potential antineoplastic activity. IGF-1R/IR inhibitor KW-2450 Tosylate selectively binds to and inhibits the activities of IGF-1R and IR, which may result in the inhibition of tumor cell proliferation and the induction of tumor cell apoptosis. IGF-R1 and IR tyrosine kinases, overexpressed in a variety of human cancers, play significant roles in the stimulation of cellular proliferation, oncogenic transformation, and suppression of apoptosis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4538 mL	7.2692 mL	14.5385 mL
5 mM	0.2908 mL	1.4538 mL	2.9077 mL
10 mM	0.1454 mL	0.7269 mL	1.4538 mL
50 mM	0.0291 mL	0.1454 mL	0.2908 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

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