Data Sheet (Cat.No.T17224)



VER-246608

Chemical Propert	ties	
CAS No. :	1684386-71-7	F F
Formula:	C28H23ClF2N4O4	
Molecular Weight:	552.96	
Appearance: 🦲	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	N CH3 OH

Biological Description

Description	VER-246608 is an effective and ATP-competitive inhibitor of pyruvate dehydrogenase kinase (IC50s: 35 nM, 40 nM, 84 nM, and 91 nM for PDK-1, PDK-3, PDK-2, and PDK-4, respectively).VER-246608 disrupts Warburg metabolism and induces context-dependent cytostasis in cancer cells. Consistent with a PDK mediated MOA, VER-246608 increased pyruvate dehydrogenase complex (PDC) activity, oxygen consumption and attenuated glycolytic activity. VER-246608 was found to potentiate the activity of doxorubicin.
Targets(IC50)	Dehydrogenase,PDK
In vitro	A novel and selective ATP competitive pan-isoform inhibitor of PDK, VER- 246608.?Consistent with a PDK mediated MOA, VER-246608 increased pyruvate dehydrogenase complex (PDC) activity, oxygen consumption and attenuated glycolytic activity.?However, these effects were only observed under D-glucose-depleted conditions and required almost complete ablation of PDC E1α subunit phosphorylation.?VER-246608 was weakly anti-proliferative to cancer cells in standard

Solubility Information		0,
Solubility	DMSO: 50 mg/mL (90.42 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)	19

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8084 mL	9.0422 mL	18.0845 mL
5 mM	0.3617 mL	1.8084 mL	3.6169 mL
10 mM 🚕	0.1808 mL	0.9042 mL	1.8084 mL
50 mM	0.0362 mL	0.1808 mL	0.3617 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.

Inhibitor • Natural Compounds • Compound Libraries • Recombinant ProteinsThis product is for Research Use Only• Not for Human or Veterinary or Therapeutic UseTel:781-999-4286E_mail:info@targetmol.comAddress:36 Washington Street,Wellesley Hills,MA 02481