

CRT0066101 hydrochloride

Chemical Properties

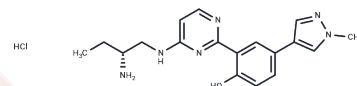
CAS No. : 1781742-22-0

Formula: C₁₈H₂₃ClN₆O

Molecular Weight: 374.87

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	Protein kinase D (PKD), a serine/threonine protein kinase activated by diacylglycerol downstream of PKC signaling, has three human isoforms that modulate cell proliferation, survival, invasion, and protein transport. CRT0066101 acts as an inhibitor of these three PKD isoforms, with IC ₅₀ values of 1, 2.5, and 2 nM for PKD1, PKD2, and PKD3, respectively. It demonstrates selectivity for PKD over a range of more than 90 protein kinases, including PKC α , PKB α , MEK, ERK, c-Raf, c-Src, and c-Abl. This specificity allows CRT0066101 to inhibit cell proliferation, induce apoptosis, and notably reduce the viability of pancreatic cancer cells both in vitro and in vivo.
Targets(IC ₅₀)	Apoptosis,Others,Pim,Serine/threonin kinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6676 mL	13.338 mL	26.6759 mL
5 mM	0.5335 mL	2.6676 mL	5.3352 mL
10 mM	0.2668 mL	1.3338 mL	2.6676 mL
50 mM	0.0534 mL	0.2668 mL	0.5335 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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