

Product Data Sheet

Product Name: CRT0066101 (hydrochloride)

Cat. No.: GC43326

Chemical Properties

Cas. No. 1290629-45-6

SMILES N[C@H](CC)CNC1=CC=NC(C2=C(O)C=CC(C3=CN(C)N=C3)=C2)=N1.Cl.Cl.Cl

Formula C₁₈H₂₂N₆O•3HCl

M.Wt 447.8

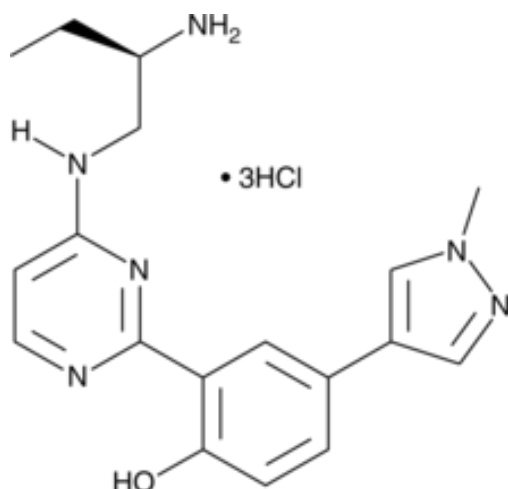
Solubility DMF: 0.1 mg/ml, DMSO: 3 mg/ml, DMSO: PBS (pH 7.2) (1:3): 0.25 mg/ml, Water: 10 mg/ml

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Protein kinase D (PKD) is a serine/threonine protein kinase that is activated by diacylglycerol, commonly downstream of PKC signaling. The three human PKD isoforms target a variety of proteins to alter cell proliferation, survival, invasion, and protein transport. CRT0066101 is an inhibitor of all three PKD isoforms (IC₅₀s = 1, 2.5, and 2 nM for PKD1, PKD2, and PKD3, respectively). It exhibits selectivity for PKD against a panel of >90 protein kinases, including PKCα, PKBα, MEK, ERK, c-Raf,

Caution: Product has not been fully validated for medical applications. For research use only.

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c-Src, and c-Abl. It can block cell proliferation, induce apoptosis, and reduce the viability of pancreatic cancer cells both in vitro and in vivo.

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