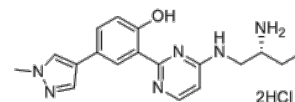


Product Name : CRT0066101 dihydrochloride
Cat. No. : PC-60928
CAS No. : 1883545-60-5
Molecular Formula : C₁₈H₂₂N₆O₂HCl
Molecular Weight : 411.33
Target : PKD
Solubility : 10 mM in DMSO



Biological Activity

CRT0066101 dihydrochloride is a potent, specific, orally active **pan-PKD** (protein kinase D) inhibitor with biochemical IC₅₀ of 1, 2.5 and 2 nM for PKD1, 2, and 3 respectively.

CRT0066101 shows selectivity against a panel of > 90 protein kinases including PKCα/PKBα/MEK/ERK/c-Raf/c-Src/c-Abl. CRT0066101 reduces bromodeoxyuridine incorporation, increases apoptosis, blocks neurotensin-induced PKD1/2 activation and reduces neurotensin-induced, PKD-mediated Hsp27 phosphorylation, attenuated PKD1-mediated NF-κB activation in pancreatic cancer cells.

CRT0066101 potently blocks tumor growth in vivo.

References

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 Thrower EC, et al. *Am J Physiol Gastrointest Liver Physiol.* 2011 Jan;300(1):G120-9.
 Borges S, et al. *Mol Cancer Ther.* 2015 Jun;14(6):1306-16.
 Coughlan KA, et al. *J Biol Chem.* 2016 Mar 11;291(11):5664-75.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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