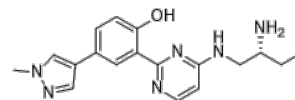


Product Name : CRT0066101
Cat. No. : PC-24285
CAS No. : 956123-34-5
Molecular Formula : C₁₈H₂₂N₆O
Molecular Weight : 338.42
Target : PKD
Solubility : 10 mM in DMSO



Biological Activity

CRT0066101 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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Coughlan KA, et al. J Biol Chem. 2016 Mar 11;291(11):5664-75.

Borges S, et al. Mol Cancer Ther. 2015 Jun;14(6):1306-16.

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

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