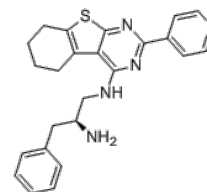


Product Name : CRT0066854
Cat. No. : PC-20701
CAS No. : 1438881-19-6
Molecular Formula : C₂₄H₂₅N₅S
Molecular Weight : 415.56
Target : PKC
Solubility : 10 mM in DMSO



CAS: 1438881-19-6

Biological Activity

CRT0066854 is a potent and selective chemical inhibitor of **atypical PKC** (protein kinase C) isoforms PKC ζ and PKC ι with IC₅₀ of 639 nM and 132 nM, respectively.

CRT0066854 shows little to no activity against nPKC ϵ (IC₅₀=7.21 μ M).

CRT0066854 is approximately 20-fold more potent for PKC ζ k and over 60-fold more potent for PKC ι k than BIM-1.

CRT0066854 is a potent and selective chemical tool to modulate aPKC activity both in vitro and in cells, with no effect on PKC α or PKC ϵ .

CRT0066854 inhibits the LLGL2 (lethal giant larvae 2) phosphorylation in HEK-293 cells (IC₅₀=0.87 μ M) and exhibits IC₅₀ of 3.47 μ M for A549 lung carcinoma cell viability.

CRT0066854 (3-12 μ M) impedes directed migration of NRK cells.

References

Kjær S, et al. *Biochem J.* 2013 Apr 15;451(2):329-42.

Linch M, et al. *Carcinogenesis.* 2014 Feb;35(2):396-406.

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

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