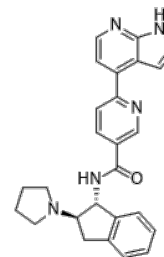


Product Name : BLU0588
Cat. No. : PC-26711
CAS No. : 2810747-78-3
Molecular Formula : C₂₆H₂₅N₅O
Molecular Weight : 423.52
Target : Protein Kinase A (PKA)
Solubility : 10 mM in DMSO



Biological Activity

BLU0588 is a potent, selective and orally active **protein kinase A (PKA)** alpha catalytic subunit (**PRKACA**) inhibitor with IC₅₀ of 1 nM and K_d of 4 nM.

BLU0588 exhibits good to moderate selectivity against closely related AGC kinase family members and excellent overall kinome selectivity profiles.

BLU0588 exhibits cellular IC₅₀ value of 25.0 nM for inhibition of VASP Ser157 phosphorylation in forskolin-stimulated Huh7 cells.

BLU0588 treatment led to a dose-dependent reduction in phosphorylated VASP in FLC PDX spheroid cultures.

BLU0588 at 30 mg/kg and 75 mg/kg once daily (QD) inhibits PRKACA in vivo, inhibits tumor growth in mice harboring FLC PDX tumors.

References

Schalm SS, et al. *Gastro Hep Adv.* 2022 Nov 8;2(3):307-321.

Bruystens JGH, et al. *Proc Natl Acad Sci U S A.* 2026 May 12;123(19):e2536312123.

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

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