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## DDR1-IN-1

产品编号: D51604

CAS: 1449685-96-4

分子式: C<sub>30</sub>H<sub>31</sub>F<sub>3</sub>N<sub>4</sub>O<sub>3</sub>

纯度: ≥98%

InChi: InChI=1S/C30H31F3N4O3/c1-3-36-10-12-37(13-11-36)18-21-6-5-20(15-25(21)30(31,32)33)29(39)34-23-7-4-19(2)27(17-23)40-24-8-9-26-22(14-24)16-28(38)35-26/h4-9,14-15,17H,3,10-13,16,18H2,1-2H3,(H,34,39)(H,35,38)

InChi Key: AOZPVMOOEJAZGK-UHFFFAOYSA-N

Smiles: CC1C=CC(=CC=1OC1C=C2CC(=O)NC2=CC=1)NC(=O)C1=CC(=C(CN2CCN(CC2)CC)C=C1)C(F)(F)F

外观: 固体粉末

作用通路: Discoidin Domain Receptor

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: DDR1-IN-1 is a potent and selective DDR1 inhibitor with IC<sub>50</sub> of 105 nM, about 3-fold selectivity over DDR2. DDR1-IN-1 binds to DDR1 in the 'DFG-out' conformation and inhibits DDR1 autophosphorylation in cells at submicromolar concentrations with good selectivity as assessed against a panel of 451 kinases measured. DDR1-IN-1 provides a useful pharmacological probe for DDR1-dependent signal transduction. The DDR1 receptor tyrosine kinase is activated by matrix collagens and has been implicated in numerous cellular functions such as proliferation, differentiation, adhesion, migration, and invasion.