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## CGP-57380

产品编号: D51130

CAS: 522629-08-9

分子式: C<sub>11</sub>H<sub>9</sub>FN<sub>6</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>11</sub>H<sub>9</sub>FN<sub>6</sub>/c12-6-1-3-7(4-2-6)16-11-8-9(13)14-5-15-10(8)17-18-11/h1-5H,(H4,13,14,15,16,17,18)

InChi Key: UQPMANVRZYYQMD-UHFFFAOYSA-N

Smiles: NC1N=CN=C2NN=C(NC3C=CC(F)=CC=3)C2=1

外观: 固体粉末

作用通路: Apoptosis

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: CGP-57380 is a selective inhibitor of MAP kinase-interacting kinase 1 (MNK1) in vitro (IC<sub>50</sub> = 2.2 μM). MNK1 overexpression was confirmed in both primary GBMs and glioma cell lines. Inhibition of MNK1 activity in GBM cells by the small molecule CGP-57380 suppressed eIF4E phosphorylation, proliferation, and colony formation whereas concomitant treatment with CGP-57380 and the mTOR inhibitor rapamycin accentuated growth inhibition and cell-cycle arrest.