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## BIX 02189

产品编号: D51660

CAS: 1265916-41-3

分子式: C<sub>27</sub>H<sub>28</sub>N<sub>4</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>27</sub>H<sub>28</sub>N<sub>4</sub>O<sub>2</sub>/c1-30(2)17-18-9-8-12-21(15-18)28-25(19-10-6-5-7-11-19)24-22-14-13-20(27(33)31(3)4)16-23(22)29-26(24)32/h5-16,28H,17H2,1-4H3,(H,29,32)/b25-24-

InChi Key: HOMJAAIVTDVQJA-IZHYLOQSSA-N

Smiles: CN(C)C(=O)C1C=C2NC(=O)/C(=C(\NC3=CC(CN(C)C)=CC=C3)/C3C=CC=CC=3)/C2=CC=1

外观: 固体粉末

作用通路: ERK

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: BIX 02189 is a selective MEK5/ERK5 inhibitor with an IC<sub>50</sub> of 59 nM. BIX02189 was reported to inhibit catalytic function of purified, MEK5 enzyme. BIX02189 blocked phosphorylation of ERK5, without affecting phosphorylation of ERK1/2 in sorbitol-stimulated HeLa cells. BIX02189 also inhibited transcriptional activation of MEF2C, a downstream substrate of the MEK5/ERK5 signaling cascade, in a cellular trans-reporter assay system. BIX02189 may offer novel pharmacological tools to better characterize the role of the MEK5/ERK5 pathway in various biological systems.