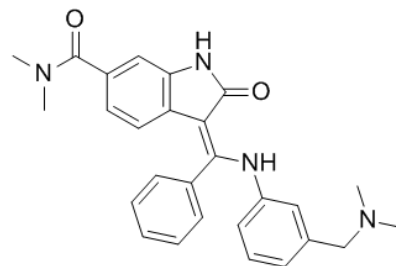


Product Name : BIX02189
Cat. No. : PC-42870
CAS No. : 1265916-41-3
Molecular Formula : C₂₇H₂₈N₄O₂
Molecular Weight : 440.5368
Target : MEK (MAP2K)
Solubility : DMSO: ≥ 49.4 mg/mL



Biological Activity

BIX02189 is a potent, selective inhibitor of MEK5 catalytic activity with IC₅₀ of 1.5 nM, also inhibits ERK5 catalytic activity (IC₅₀=59 nM), does not inhibit closely related kinases MEK1, MEK2, ERK2, and JNK2; ; blocks phosphorylation of ERK5, without affecting phosphorylation of ERK1/2 in sorbitol-stimulated HeLa cells, also inhibits transcriptional activation of MEF2C, a downstream substrate of the MEK5/ERK5 signaling cascade; blocks ERK5 signaling and suppresses NGF-induced neurite outgrowth in PC12 cells.

References

Tatake RJ, et al. Biochem Biophys Res Commun. 2008 Dec 5;377(1):120-5.

Obara Y, et al. J Biol Chem. 2009 Aug 28;284(35):23564-73.

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

E-mail: tech@probechem.com