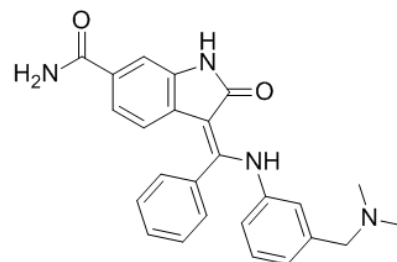


Product Name : BIX02188
Cat. No. : PC-42869
CAS No. : 334949-59-6
Molecular Formula : C₂₅H₂₄N₄O₂
Molecular Weight : 412.4837
Target : MEK (MAP2K)
Solubility : DMSO: ≥ 45 mg/mL



Biological Activity

BIX02188 is a potent, selective inhibitor of MEK5 catalytic activity with IC₅₀ of 4.3 nM, weakly inhibits ERK5 catalytic activity (IC₅₀=810 nM) and 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, in a cellular trans-reporter assay system; induces apoptosis in cells expressing the oncogenic mutant FLT3-ITD.

References

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Obara Y, et al. *J Biol Chem.* 2009 Aug 28;284(35):23564-73.
Razumovskaya E, et al. *Biochem Biophys Res Commun.* 2011 Aug 26;412(2):307-12.

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

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