

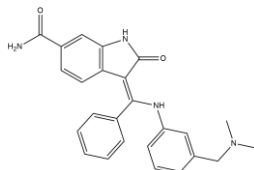
PRODUCT: BIX01288

ALTERNATE NAMES: BIX-02188, BIX 02188

CATALOG #: B1328-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₂₄N₄O₂

MOLECULAR WEIGHT: 412.493

CAS NUMBER: 334949-59-6 (or 1094614-84-2)

APPEARANCE: Solid powder

SOLUBILITY: Soluble in DMSO, not in water; DMSO (>45 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light.

DESCRIPTION: BIX02188 is a potent inhibitor of MEK5 (IC₅₀ = 4.3 nM) with reduced activity towards inhibition of ERK5 and TGFβR1 (IC₅₀s = 810 and 1,800 nM, respectively). Inhibition of MEK5 by BIX02188 induces apoptosis in cells expressing the oncogenic mutant FLT3-ITD.

REFERENCES:

1. Wang CG et al., Pain Physician. 2015 Nov;18(6):E1073-81.
2. Chen Y et al., 2015 Jun;40(3):173-9.
3. Liang W et al., Biochem Biophys Res Commun. 2014 Jul 11;449(4):466-70.
4. Badshah II et al., Front Pharmacol. 2014 Apr 21;5:71.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- BIX02189 (Cat# 2670)

USAGE: *FOR RESEARCH USE ONLY! Not to be used in humans*