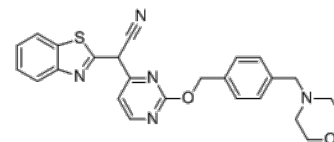


Product Name : Bentamapimod
Cat. No. : PC-73183
CAS No. : 848344-36-5
Molecular Formula : C₂₅H₂₃N₅O₂S
Molecular Weight : 457.55
Target : JNK
Solubility : 10 mM in DMSO



Biological Activity

Bentamapimod (AS602801) is a potent, selective, ATP-competitive **JNK** inhibitor with IC₅₀ of 80/90/230 nM for JNK1/2/3, respectively.

Bentamapimod (AS602801) induces cell death and accordingly decreased the number of viable cells in all three cell lines in a dose-dependent manner.

Bentamapimod (AS602801) exhibits cytotoxicity against both serum-cultured non-stem cancer cells and cancer stem cells derived from human pancreatic cancer, non-small cell lung cancer, ovarian cancer and glioblastoma.

Bentamapimod (AS602801) also inhibits the self-renewal and tumor-initiating capacity of cancer stem cells (CSCs).

Bentamapimod (AS602801) induces regression of endometriotic lesions in animal models.

References

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Kuramoto K, et al. *Anticancer Res*. 2018 Sep;38(9):5093-5099.

Yamamoto M, et al. *Anticancer Res*. 2019 Feb;39(2):609-617.

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

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