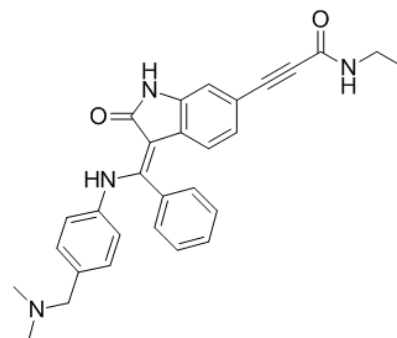


Product Name : BI-847325
Cat. No. : PC-45572
CAS No. : 1207293-36-4
Molecular Formula : C₂₉H₂₈N₄O₂
Molecular Weight : 464.5582
Target : MEK (MAP2K)
Solubility : DMSO: ≥36 mg/mL



Biological Activity

BI-847325 is a potent, ATP-competitive **MEK/Aurora kinase** inhibitor, inhibits human Aurora A (IC₅₀=25 nM) and Aurora C (IC₅₀=16 nM).

BI-847325 also inhibits MEK1 (IC₅₀=25 nM) and MEK2 (IC₅₀=6 nM).

BI-847325 reduces expression of p-ERK and p-Histone 3 in multiple models of vemurafenib resistance.

BI-847325 decreases the expression of MEK and Mcl-1 and increases the expression of BIM.

BI-847325 is orally bioavailable.

References

Phadke MS, et al. *Mol Cancer Ther.* 2015 Jun;14(6):1354-64.

Sini P, et al. *Mol Cancer Ther.* 2016 Oct;15(10):2388-2398.

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

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