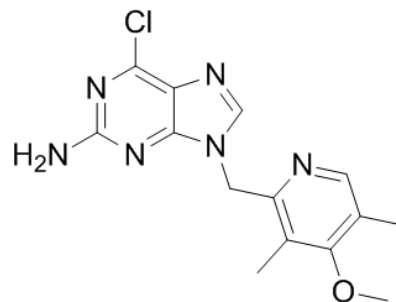


Product Name : BIIB021
Cat. No. : PC-42459
CAS No. : 848695-25-0
Molecular Formula : C₁₄H₁₅ClN₆O
Molecular Weight : 318.7615
Target : Heat Shock Protein (HSP)
Solubility : DMSO: ≥ 45 mg/mL



Biological Activity

BIIB021 is a potent, selective, orally available **HSP90** inhibitor with K_i of 1.7 nM for Hsp90 α .

BIIB021 displays no significant activity against a broad panel of protein kinases, and Na⁺/K⁺ ATPase.

BIIB021 induces the degradation of Hsp90 client proteins including HER-2, AKT, and Raf-1 and upregulates expression of Hsp70 and Hsp27 in tumor cells.

BIIB021 inhibits cell growth and induces cell death in cell lines from a variety of tumor types at nanomolar concentrations (IC₅₀=60 nM in N87 cells).

BIIB021 exhibits antitumor effects in vivo.

References

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Lundgren K, et al. *Mol Cancer Ther.* 2009 Apr;8(4):921-9.

Böll B, et al. *Clin Cancer Res.* 2009 Aug 15;15(16):5108-16.

Gopalakrishnan R, et al. *Clin Cancer Res.* 2013 Sep 15;19(18):5016-26.

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

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