

Product Datasheet

EPZ011989

Catalog No. **BP-02335** · CAS **1598383-40-4** · Form **free base** · Physical state **solid** · Color **Light yellow to yellow** · Version **1.0**
· Revision **2026-09-10**

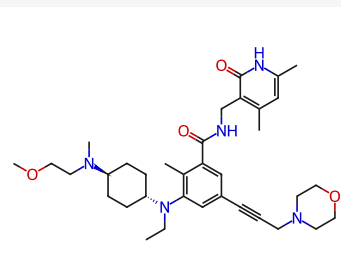
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Target Histone Methyltransferase	Research area Cancer
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Molecular formula **C₃₅H₅₁N₅O₄**

Molecular weight **605.8105**

STRUCTURE



DESCRIPTION

EPZ011989 is a potent and orally active Zeste Homolog 2 (EZH2) inhibitor with metabolic stability. EPZ011989 has inhibitory inhibition for EZH2 with a K_i value of <3 nM.

BIOLOGICAL ACTIVITY

EPZ011989 is also a specific EZH2 inhibitor with a >15-fold selectivity over EZH1 and >3000-fold selectivity relative to the K_i of 20 other histone methyltransferases (HMTs) tested. EPZ011989 reduces cellular H3K27 methylation in the Y641F, mutant-bearing human lymphoma cell line, WSU-DLCL2, with an IC_{50} below 100 nM. EPZ011989 demonstrates significant tumor growth inhibition in a mouse xenograft model of human B cell lymphoma.

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Campbell JE, et al. EPZ011989, A Potent, Orally-Available EZH2 Inhibitor with Robust in Vivo Activity. ACS Med Chem Lett. 2015 Mar 4;6(5):491-495.

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Lot CoA and SDS are separate documents.