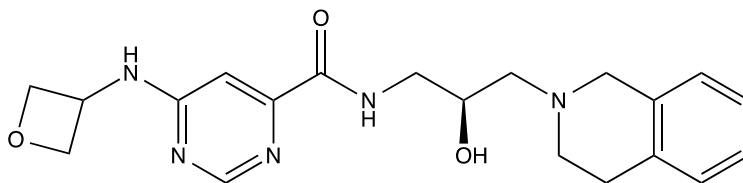


Catalog # 10-4031

EPZ015666

CAS# 1616391-65-1

(S)-N-(3-(3,4-Dihydroisoquinolin-2(1H)-yl)-2-hydroxypropyl)-6-(oxetan-3-ylamino)pyrimidine-4-carboxamide
Lot # FBS1096



EPZ015666 is a selective and potent ($IC_{50} = 22nM$) inhibitor of arginine methyltransferase 5 (PRMT5)^{1,2}. PRMT5 inhibition with EPZ015666 potently suppressed *in vivo* glioblastoma tumors³ and significantly inhibited the growth of multiple myeloma cell lines⁴.

- 1) Chan-Penebre *et al.* (2015), *A selective inhibitor of PRMT5 with in vivo and in vitro potency in MCL models*; Nat.Chem.Biol. **11** 432
- 2) Duncan *et al.* (2015), *Structure and Property Guided Design in the Identification of PRMT5 Toll Compound EPZ015666*; ACS Med.Chem.Lett. **7** 162
- 3) Braun *et al.* (2017), *Coordinated Splicing of Regulatory Detained Introns within Oncogenic Transcripts Creates an Exploitable Vulnerability in Malignant Glioma*; Cancer Cell **32** 411
- 4) Gulia *et al.* (2018), *Protein arginine methyltransferase 5 has prognostic relevance and is a druggable target in multiple myeloma*; Leukemia **32** 996

PHYSICAL DATA

Molecular Weight: 383.44
Molecular Formula: $C_{20}H_{25}N_5O_3$
Purity: >98% by HPLC
NMR: (Conforms)
Solubility: DMSO (20 mg/ml)
Physical Description: White solid
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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