

**Product Name:** EPZ 015666

**Catalog No.:** 6516

**Batch No.:** 1

CAS Number: 1616391-65-1

IUPAC Name: *N*-[(2*S*)-3-(3,4-Dihydro-2(1*H*)-isoquinolinyl)-2-hydroxypropyl]-6-(3-oxetanylamino)-4-pyrimidinecarboxamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>20</sub>H<sub>25</sub>N<sub>5</sub>O<sub>3</sub>·½H<sub>2</sub>O

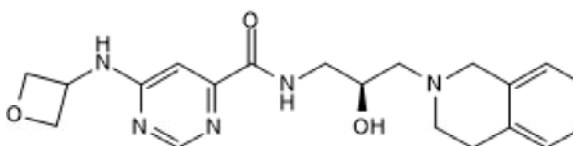
**Batch Molecular Weight:** 392.45

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM  
ethanol to 50 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	61.21	6.68	17.84
Found	61.31	6.51	17.91

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Potent and selective protein arginine methyltransferase 5 (PRMT5) inhibitor (IC<sub>50</sub> = 22 nM, K<sub>i</sub> = 5 nM). Displays selectivity for PRMT5 over a panel of 20 other protein methyltransferases. Exhibits dose-dependent antitumor effects in multiple mantle cell lymphoma (MCL) xenograft models. Orally bioavailable.

**Physical and Chemical Properties:**

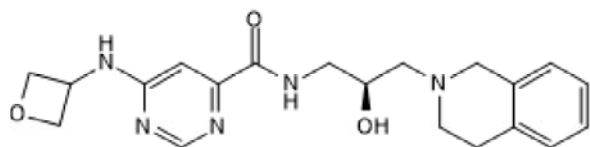
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Batch Molecular Weight: 392.45

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 50 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**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. PMID: 25915199.

**Duncan et al** (2015) Structure and property guided design in the identification of PRMT5 tool compound EPZ015666. *ACS Med.Chem.Lett.* **7** 162. PMID: 26985292.

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