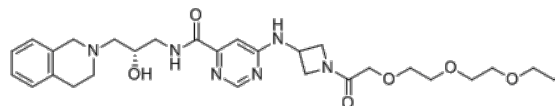


**Product Name** : MS4322  
**Cat. No.** : PC-72471  
**CAS No.** : 2375432-47-4  
**Molecular Formula** : C<sub>55</sub>H<sub>76</sub>N<sub>10</sub>O<sub>12</sub>S  
**Molecular Weight** : 1101.32  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



## Biological Activity

MS4322 (MS-4322) is a potent, highly selective **PRMT5 degrader** (PROTAC) by linking the PRMT5 inhibitor EPZ015666 to a von Hippel-Lindau (VHL) E3 ligase ligand, with PRMT5 protein DC50 of 1.1 uM in MCF-7 cells.

MS4322 effectively reduced PRMT5 protein levels in multiple cell lines, reduced the PRMT5 protein level in MCF7 cells in a concentration-, time-, VHL- and proteasome-dependent manner.

MS4322 inhibited cell growth at least as effectively as EPZ015666 in multiple cancer cell lines and exhibited good plasma exposure in a mouse pharmacokinetic (PK) study.

## References

Yudao Shen, et al. *J Med Chem*. 2020 Sep 10;63(17):9977-9989.

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

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