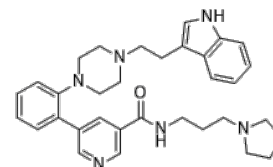


Product Name : AZ506
Cat. No. : PC-22290
CAS No. : 2043321-54-4
Molecular Formula : C₃₃H₄₀N₆O
Molecular Weight : 536.72
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



CAS: 2043321-54-4

Biological Activity

AZ506 is a potent, selective inhibitor of protein lysine methyltransferase **SMYD2** with IC₅₀ of 17 nM, inhibits SMYD2 mediated methylation of monomethyl p53 peptide in U2OS cells with IC₅₀ of 1.02 uM.

AZ506 is selective for SMYD2 but do possess limited activity against DOT1L, in a focused panel of KMTs including EZH2, NSD1, G9a SMYD2, and DOT1L.

AZ506 works in a p53-dependent manner to affect cell proliferation in a panel of matched paired p53 wild-type and p53-null colorectal cancer cell lines.

References

Scott D. Cowen, et al. *J. Med. Chem.* 2016, 59, 24, 11079–11097.

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

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