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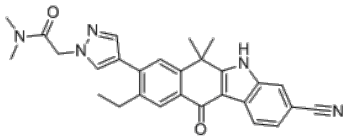
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	JH-VIII-157-02
Cat. No.	:	PC-35352
CAS No.	:	1639422-97-1
Molecular Formula	:	$C_{28}H_{27}N_5O_2$
Molecular Weight	:	465.557
Target	:	Anaplastic Lymphoma Kinase (ALK)
Solubility	:	10 mM in DMSO



Biological Activity

JH-VIII-157-02 is a potent, orally active, CNS-permeable, second-generation inhibitor of **ALK G1202R mutant** with IC50 of 2 nM, also shows high potency against a variety of other frequently observed mutants (G1269A, S1206Y, F1174L and C1156Y).
JH-VIII-157-02 inhibits EML4-ALKWT with IC50 of 2 nM, demonstrates inhibition of CSNK2A1 <10 uM, IRAK1 (IC50 =14 nM), IRAK4 with (IC50=465 nM), CLK4 (IC50=14 nM), RET (IC50=3 nM), RET V804L (IC50=13 nM).
JH-VIII-157-02 potently inhibits proliferation of NSCLC H3122 cell line with IC50 of 5 nM.

References

Hatcher JM, et al. ***J Med Chem***. 2015 Dec 10;58(23):9296-9308.

Wang H, et al. ***Drug Des Devel Ther***. 2018 May 9;12:1183-1193.

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