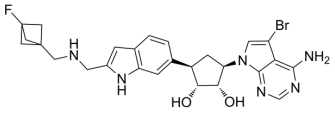
METTL3-IN-3

Cat. No.:	HY-148469
CAS No.:	2767003-71-2
Molecular Formula:	$C_{26}H_{28}BrFN_6O_2$
Molecular Weight:	555.44
Target:	METTL3
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	METTL3-IN-3 (compound 11) is a polyheterocyclic compound, acts as METTL3 inhibitor[1].
IC_{50} & Target	METTL3[1]
In Vitro	METTL3, refers to methyltransferase-like 3, is the sole catalytic subunit of N6-methyladenosine (m6A). METTL3 is involved in the post-transcriptional methylation of internal adenosine residues in eukaryotic mRNAs, forming m6A. m6A is the most abundant mRNA modification, so that METTL3 plays key roles in a variety of cancer types, either dependent or independent on its m6A RNA methyltransferase activity[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Blackaby WP, et al. Preparation of polyheterocyclic compounds as METTL3 inhibitors: World Intellectual Property Organization, WO2021111124[P]. 2021-06-10.

[2]. Zeng C, et al. Roles of METTL3 in cancer: mechanisms and therapeutic targeting. J Hematol Oncol. 2020 Aug 27;13(1):117.

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