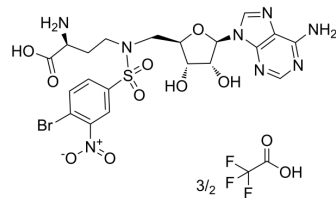


DNMT2-IN-1

Cat. No.:	HY-154867
Molecular Formula:	$C_{20}H_{23}BrN_8O_9S_{.3}/_2C_2HF_3O_2$
Molecular Weight:	803.45
Target:	DNA Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DNMT2-IN-1 (compound 80) is a potent and selective DNMT2 (DNA methyltransferase 2) inhibitor with an IC_{50} value of 1.2 μ M, and has the potential for mental and metabolic disorders or cancer research ^[1] .
IC_{50} & Target	DNA methyltransferase 2 (DNMT2) ^[1] IC_{50} :1.2 μ M (DNA methyltransferase 2, DNMT2) ^[1]
In Vitro	DNMT2-IN-1 (compound 80) (100 μ M) inhibits hDNMT2 with inhibitory rate of 98.7% ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Schwickert M, Zimmermann RA, Habeck T, et al. Covalent S-Adenosylhomocysteine-Based DNA Methyltransferase 2 Inhibitors with a New Type of Aryl Warhead. ACS Med Chem Lett. 2023;14(6):777-787.

Caution: Product has not been fully validated for medical applications. For research use only.

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