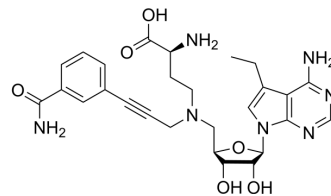


NNMT-IN-5

Cat. No.:	HY-161316
Molecular Formula:	C ₂₇ H ₃₃ N ₇ O ₆
Molecular Weight:	551.59
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description NNMT-IN-5 (Compound 3-12) is a potent nicotinamide N-methyltransferase (NNMT) inhibitor ($IC_{50} = 47.9 \pm 0.6$ nM). NNMT-IN-5 also has an excellent selectivity profile over a panel of human methyltransferases. NNMT-IN-5 can be used for the research of cancer, diabetes, metabolic disorders, and neurodegenerative diseases^[1].

IC₅₀ & Target Nicotinamide N-methyltransferase (NNMT)^[1]

REFERENCES

[1]. Li P, et al. Enhancing nicotinamide N-methyltransferase bisubstrate inhibitor activity through 7-deazaadenosine and linker modifications. *Bioorg Chem.* 2024 Feb;143:106963.

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

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