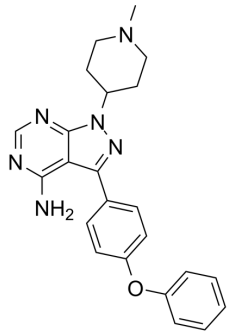
NUDT5/14 antagonist 1

Cat. No.:	HY-158318
Molecular Formula:	$C_{23}H_{24}N_6O$
Molecular Weight:	400.48
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NUDT5/14 antagonist 1 (Compound 9) is a selective, dual antagonist for nucleotide diphosphate kinase NUDT5 and NUDT14, with IC_{50} of 0.27 and 0.16 μM, respectively. NUDT5/14 antagonist 1 binds to Bruton's tyrosine kinase (BTK) with an IC_{50} of 0.377 μM[1].
IC_{50} & Target	IC_{50}: 0.27 μM (NUDT5), 0.16 μM (NUDT14)
In Vitro	NUDT5/14 antagonist 1 (>10 μM, 72 h) exhibits no cytotoxicity in cancer cells BT-474[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay[1]

Cell Line:	BT-474
Concentration:	>10 μM
Incubation Time:	72 h
Result:	Maintained cell viability with concentration of 10 μM.

REFERENCES

[1]. Balıkçı E, et al., Unexpected Noncovalent Off-Target Activity of Clinical BTK Inhibitors Leads to Discovery of a Dual NUDT5/14 Antagonist. J Med Chem. 2024 May 9;67(9):7245-7259.

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