



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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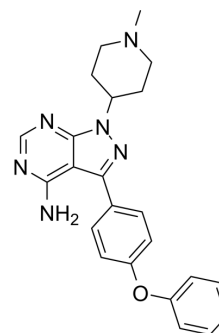
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## NUDT5/14 antagonist 1

Cat. No.:	HY-158318
Molecular Formula:	C <sub>23</sub> H <sub>24</sub> N <sub>6</sub> O
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

<b>Description</b>	NUDT5/14 antagonist 1 (Compound 9) is a selective, dual antagonist for nucleotide diphosphate kinase NUDT5 and NUDT14, with IC <sub>50</sub> of 0.27 and 0.16 μM, respectively. NUDT5/14 antagonist 1 binds to Bruton's tyrosine kinase (BTK) with an IC <sub>50</sub> of 0.377 μM <sup>[1]</sup> .									
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 0.27 μM (NUDT5), 0.16 μM (NUDT14)									
<b>In Vitro</b>	<p>NUDT5/14 antagonist 1 (&gt;10 μM, 72 h) exhibits no cytotoxicity in cancer cells BT-474<sup>[1]</sup>.  MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>BT-474</td> </tr> <tr> <td>Concentration:</td> <td>&gt;10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>72 h</td> </tr> <tr> <td>Result:</td> <td>Maintained cell viability with concentration of 10 μM.</td> </tr> </table>		Cell Line:	BT-474	Concentration:	>10 μM	Incubation Time:	72 h	Result:	Maintained cell viability with concentration of 10 μM.
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Result:	Maintained cell viability with concentration of 10 μM.									

### REFERENCES

[1]. Balıkcı 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.

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

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