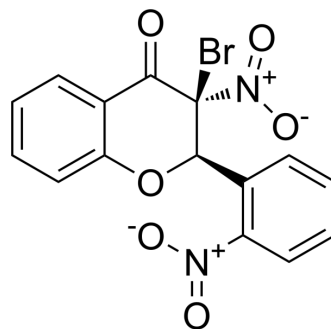


DNMT-IN-1

Cat. No.:	HY-133030
CAS No.:	2396691-28-2
Molecular Formula:	C ₁₅ H ₉ BrN ₂ O ₆
Molecular Weight:	393.15
Target:	DNA Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DNMT-IN-1 is a potent DNMT inhibitor with an EC ₅₀ value of 3.2 μM. DNMT-IN-1 shows antiproliferative active ^[1] .								
IC₅₀ & Target	DNA Methyltransferase 3.2 μM (EC50)								
In Vitro	<p>DNMT-IN-1 (compound 3b) shows antiproliferative active with EC₅₀s of 13.0, 10.7 μM for KG1, HCT116 cells, respectively^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>KG1, HCT116 cells</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>72 h</td> </tr> <tr> <td>Result:</td> <td>Showed antiproliferative active with EC₅₀s of 13.0, 10.7 μM for KG1, HCT116 cells, respectively.</td> </tr> </table>	Cell Line:	KG1, HCT116 cells	Concentration:	0-100 μM	Incubation Time:	72 h	Result:	Showed antiproliferative active with EC ₅₀ s of 13.0, 10.7 μM for KG1, HCT116 cells, respectively.
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REFERENCES

[1]. Pechalrieu D, et al. Synthesis of novel 3-halo-3-nitroflavanones and their activities as DNA methyltransferase inhibitors in cancer cells. Eur J Med Chem. 2020 Jan 15;186:111829.

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

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