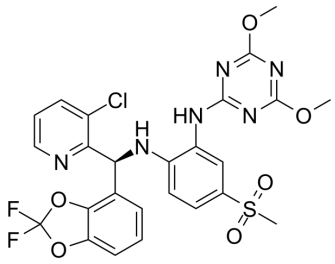
Dot1L-IN-6

Cat. No.:	HY-135129
CAS No.:	2565705-01-1
Molecular Formula:	$C_{25}H_{21}ClF_2N_6O_6S$
Molecular Weight:	606.99
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dot1L-IN-6 is a potent disruptor of telomeric silencing 1-like protein (DOT1L) inhibitor with an $IC_{50\ SPA\ DOT1L}$ of 0.19 nM[1].
In Vitro	Dot1L-IN-6 (Compound 9) is tested in cellular assays to assess the ability to inhibit the dimethylation of H3K79 in HeLa cells ($ED_{50\ H3K79me2\ Elisa}$=12 nM) and HOXA9 gene expression in Molm-13 cells ($ED_{50\ HOXA9\ RGA}$=170 nM)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Dot1L-IN-6 (Compound 9) shows an excellent blood exposure after a single dose (100 mg/kg)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Frédéric Stauffer, et al. New Potent DOT1L Inhibitors for in Vivo Evaluation in Mouse. ACS Med. Chem. Lett. 2019, 10, 12, 1655-1660.

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