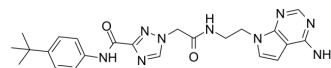


## Dot1L-IN-7

Cat. No.:	HY-146724
CAS No.:	2580940-76-5
Molecular Formula:	C <sub>23</sub> H <sub>27</sub> N <sub>9</sub> O <sub>2</sub>
Molecular Weight:	461.52
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Dot1L-IN-7 (compound 25) is a potent and selective disruptor of telomeric silencing 1-like protein (DOT1L) inhibitor with an IC <sub>50</sub> of 1.0 μM. Dot1L-IN-7 selectively killed Mixed Lineage Leukemia (MLL)-AF9 without showing any effect on the growth of E2A-HLF cells <sup>[1]</sup> .
IC <sub>50</sub> & Target	DOT1L 1 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Garrett S Gibbons, et al. Identification of DOT1L inhibitors by structure-based virtual screening adapted from a nucleoside-focused library. Eur J Med Chem. 2020 Mar 1;189:112023.

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

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