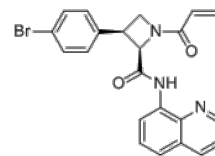


Product Name : NSUN2 inhibitor MY-1B
Cat. No. : PC-21301
CAS No. : 2929308-79-0
Molecular Formula : C₂₂H₁₈BrN₃O₂
Molecular Weight : 436.31
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



CAS: 2929308-79-0

Biological Activity

NSUN2 inhibitor MY-1B is specific, covalent inhibitor of RNA methyltransferase **NSUN2** (IC₅₀=1.3 μM) that stereoselectively react with the catalytic C271, has IC₅₀ of 2.4 μM in RNA methylation assays.

MY-1B do not cross-react with other human NSUNs.

MY-1B shows IC₅₀ values for effects on cell growth that ranged from 10-30 μM in human cancer cell lines treated with theazetidine acrylamides for 48 h.

MY-1B suppresses NSUN2-tRNA interactions in human cells.

References

Tao Y, et al. *Angew Chem Int Ed Engl.* 2023 Nov 1:e202311924.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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