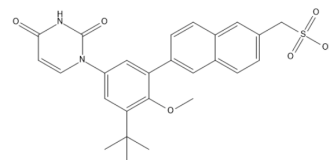


CYP2C19-IN-1

Cat. No.:	HY-151254
Molecular Formula:	C ₂₆ H ₂₆ N ₂ O ₆ S
Molecular Weight:	494.56
Target:	Cytochrome P450; Influenza Virus; DNA/RNA Synthesis
Pathway:	Metabolic Enzyme/Protease; Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CYP2C19-IN-1 (compound 20d) is a potent CYP2C19 inhibitor, possessing no hepatotoxicity and ames toxicity. CYP2C19-IN-1 inhibits RNA-dependent RNA polymerase (RdRP) with a K _i value of 6.16 μM. CYP2C19-IN-1 can be used in study of anti-ZIKV ^[1] .
IC ₅₀ & Target	Ki: 6.16 μM (RNA-dependent RNA polymerase) ^[1]

REFERENCES

[1]. Ezeh M I, et al. Chemoinformatic Design and Profiling of Derivatives of Dasabuvir, Efavirenz, and Tipranavir as Potential Inhibitors of Zika Virus RNA-Dependent RNA Polymerase and Methyltransferase. ACS Omega, 2022 Sep 5.

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

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