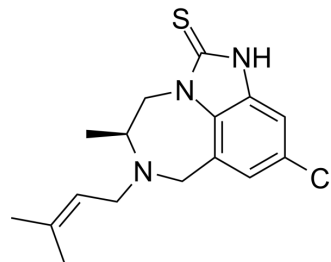


R82913

Cat. No.:	HY-106872
CAS No.:	126347-69-1
Molecular Formula:	C ₁₆ H ₂₀ ClN ₃ S
Molecular Weight:	321.87
Target:	Reverse Transcriptase; HIV; DNA/RNA Synthesis
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

R82913 (9-Cl-TIBO) is a potent and high selective inhibitor of HIV-1 reverse transcriptase with antiviral activity on both an RNA template (negative strand synthesis) and a DNA template (positive strand synthesis). R82913 inhibits the replication of different strains of HIV-1 in CEM cells with a median IC₅₀ value of 0.15 μM^{[1][2]}.

REFERENCES

[1]. White EL, et al. A TIBO derivative, R82913, is a potent inhibitor of HIV-1 reverse transcriptase with heteropolymer templates. *Antiviral Res.* 1991 Oct;16(3):257-66.

[2]. Larder BA. 3'-Azido-3'-deoxythymidine resistance suppressed by a mutation conferring human immunodeficiency virus type 1 resistance to nonnucleoside reverse transcriptase inhibitors. *Antimicrob Agents Chemother.* 1992 Dec;36(12):2664-9.

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

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