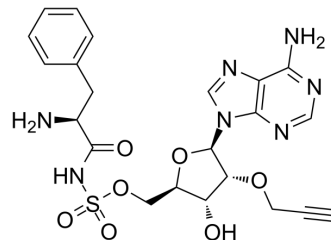


NRPSs-IN-1

Cat. No.:	HY-162371
Molecular Formula:	C ₂₂ H ₂₅ N ₇ O ₇ S
Molecular Weight:	531.54
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NRPSs-IN-1 (Compound 7) is a cell-penetrating inhibitor of non-ribosomal peptide synthetase (NRPSs). NRPSs-IN-1 K inhibits gramicidin S synthetase A (GrsA) with a K _d value of 16.6 nM ^[1] .
IC ₅₀ & Target	non-ribosomal peptide synthetases (NRPSs) ^[1]
In Vitro	NRPSs-IN-1 (10 μM) potently inhibits the ABP L-Phe-AMS-BPyne marker GrsA ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ishikawa F, et al. Development of a chemical scaffold for inhibiting nonribosomal peptide synthetases in live bacterial cells. *Beilstein J Org Chem.* 2024 Feb 26;20:445-451.

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

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