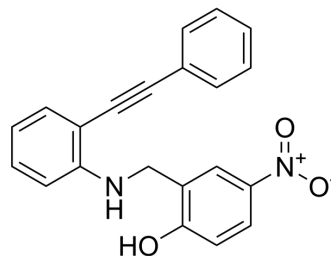


NusB-IN-1

Cat. No.:	HY-146463
CAS No.:	2923738-92-3
Molecular Formula:	C ₂₁ H ₁₆ N ₂ O ₃
Molecular Weight:	344.36
Target:	DNA/RNA Synthesis; Bacterial
Pathway:	Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NusB-IN-1 (Compound 22r) is a potent, orally active bacterial rRNA synthesis inhibitor. NusB-IN-1 shows antimicrobial activity against MRSA and VRSA ^[1] . NusB-IN-1 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC ₅₀ & Target	rRNA synthesis ^[1]

REFERENCES

[1]. Qiu Y, et al. Synthesis and biological evaluation of nusbiarylin derivatives as bacterial rRNA synthesis inhibitor with potent antimicrobial activity against MRSA and VRSA. *Bioorg Chem.* 2022 Jul;124:105863.

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

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