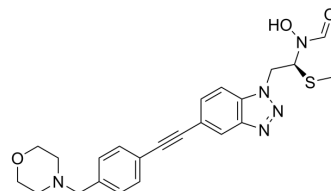


LpxC-IN-9

Cat. No.:	HY-146650
CAS No.:	2756125-46-7
Molecular Formula:	C ₂₃ H ₂₅ N ₅ O ₃ S
Molecular Weight:	451.54
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

LpxC-IN-9 (compound 19) is a potent LpxC inhibitor. LpxC-IN-9 has antibacterial and hypotensive effects^[1]. LpxC-IN-9 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

[1]. Takeru Furuya, et al. N-Hydroxyformamide LpxC inhibitors, their in vivo efficacy in a mouse Escherichia coli infection model, and their safety in a rat hemodynamic assay. *Bioorg Med Chem.* 2020 Dec 15;28(24):115826.

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

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