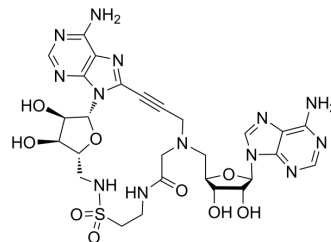


LmNADK1-IN-1

Cat. No.:	HY-151936
Molecular Formula:	C ₂₇ H ₃₃ N ₁₃ O ₉ S
Molecular Weight:	715.7
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LmNADK1-IN-1 (compound MC1) is an inhibitor of nicotinamide adenine dinucleotide kinases (NADK1) from <i>L. monocytogenes</i> with a K _i value of 54 nM. LmNADK1-IN-1 can be used for the research of bacterial infection ^[1] . LmNADK1-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.
In Vitro	LmNADK1-IN-1 shows inhibitory activities to LmNADK1 with a K _i value of 54 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Clément DA, et al. Synthesis and structure-activity relationship studies of original cyclic diadenosine derivatives as nanomolar inhibitors of NAD kinase from pathogenic bacteria. *Eur J Med Chem.* 2022 Nov 23;246:114941.

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

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