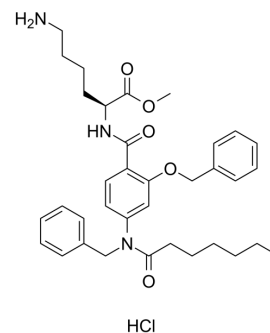


MraY-IN-3 hydrochloride

Cat. No.:	HY-144728
Molecular Formula:	C ₃₅ H ₄₆ ClN ₃ O ₅
Molecular Weight:	624.21
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MraY-IN-1 (compound 12a) is a potent MraY inhibitor with an IC ₅₀ value of 140 μM. MraY-IN-1 has antimicrobial activity against Escherichia coli K12, Bacillus subtilis W23 and Pseudomonas fluorescens Pf-5 with MIC ₅₀ s of 7 μg/mL, 12 μg/mL and 46 μg/mL, respectively. MraY-IN-1 can be used for researching anti-bacteria ^[1] .
IC ₅₀ & Target	IC ₅₀ : 140 μM (MraY) ^[1]

REFERENCES

[1]. Kerr RV, et al. Peptidomimetic analogues of an Arg-Trp-x-x-Trp motif responsible for interaction of translocase MraY with bacteriophage φX174 lysis protein E. Bioorg Med Chem.

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

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