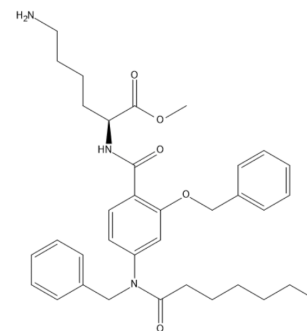


MraY-IN-3

Cat. No.:	HY-151357
Molecular Formula:	C ₃₅ H ₄₅ N ₃ O ₅
Molecular Weight:	587.75
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MraY-IN-3 (12a) is a potent bacterial translocase MraY inhibitor with an IC₅₀ value of 140 μM. MraY-IN-3 acts on *E. coli* K12, *B. subtilis* W23 and *P. fluorescens* Pf-5 with the MIC₅₀ values of 7 μg/mL, 12 μg/mL, and 46 μg/mL, respectively^[1].

REFERENCES

[1]. Rachel V Kerr, 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.* 2021 Dec 15;52:116502.

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

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