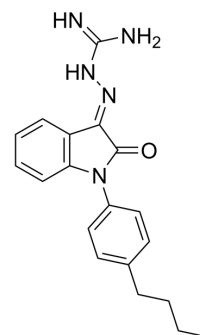


Glycosyltransferase-IN-1

Cat. No.:	HY-147960
Molecular Formula:	C ₁₉ H ₂₁ N ₅ O
Molecular Weight:	335.4
Target:	Glycosyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Glycosyltransferase-IN-1 (compound 5m) is a potent glycosyltransferase inhibitor, with an IC ₅₀ of 82.8 μM. Glycosyltransferase-IN-1 shows antibacterial activity, with MIC values of 6 μg/mL for MSSA, MRSA, B. subtilis and 12 μg/mL for E. coli ^[1] .
IC ₅₀ & Target	IC ₅₀ : 82.8 μM (lipid II transglycosylation) ^[1]

REFERENCES

[1]. Wang Y, et al. Hydrophobic substituents on isatin derivatives enhance their inhibition against bacterial peptidoglycan glycosyltransferase activity. Bioorg Chem. 2020 Apr;97:103710.

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

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