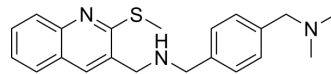


ATP Synthesis-IN-1

Cat. No.:	HY-157045
Molecular Formula:	C ₂₁ H ₂₅ N ₃ S
Molecular Weight:	351.51
Target:	ATP Synthase
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ATP Synthesis-IN-1 (Compound 4), quinoline derivative, is a potent inhibitor of PA ATP synthesis activity. ATP Synthesis-IN-1 has PA ATP synthesis inhibition with IC ₅₀ value of 11.1µg/mL. ATP Synthesis-IN-1 also has antibacterial activity. ATP Synthesis-IN-1 can be used for the research of drug-resistant PA infection ^[1] .
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IC₅₀ & Target	IC ₅₀ : 11.1µg/mL (PA ATP synthesis inhibition) ^[1] .
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REFERENCES

[1]. Fraunfelter VM, et al. Quinoline Compounds Targeting the c-Ring of ATP Synthase Inhibit Drug-Resistant *Pseudomonas aeruginosa*. ACS Infect Dis. 2023 Nov 3.

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

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