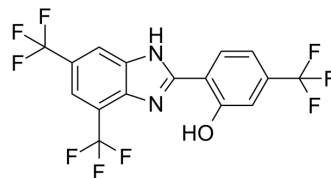


Colistin adjuvant-1

Cat. No.:	HY-145439
CAS No.:	2862800-15-3
Molecular Formula:	C ₁₆ H ₇ F ₉ N ₂ O
Molecular Weight:	414.23
Target:	Bacterial; NF-κB
Pathway:	Anti-infection; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Colistin adjuvant-1 is a colistin adjuvant, shows increased colistin potentiation activity against Gram-negative bacteria. Colistin adjuvant-1 inhibits NF-κB with an IC ₅₀ of 0.209 μM ^[1] .
In Vitro	Colistin adjuvant-1 (compound 13) inhibits a panel of additional colistin-resistant strains of <i>K. pneumoniae</i> and <i>A. baumannii</i> , including strains harboring the <i>mcr-1</i> gene, and also determined activity against colistin-resistant strains of <i>P. aeruginosa</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li H, et al. Benzimidazole Isosteres of Salicylanilides Are Highly Active Colistin Adjuvants. *ACS Infect Dis.* 2021 Nov 9.

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

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