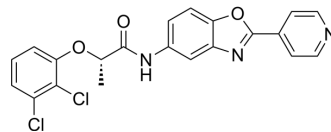


IMPDH2-IN-2

Cat. No.:	HY-145286
CAS No.:	1434517-02-8
Molecular Formula:	C ₂₁ H ₁₅ Cl ₂ N ₃ O ₃
Molecular Weight:	428.27
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	IMPDH2-IN-2 is a potent inhibitor of inosine 5'-monophosphate dehydrogenase (IMPDH) with a $K_{i,app}$ value of 14 μ M, respectively. IMPDH2-IN-2 displays moderate antibacterial activity (MIC = 6.3 and 11 μ M in minimal GAST/Fe and rich 7H9/ADC/Tween media, respectively). IMPDH2-IN-2 is a potential anti-tuberculosis agent ^[1] .
IC ₅₀ & Target	IMPDH ^[1]

REFERENCES

[1]. Chacko S, et al. Expanding Benzoxazole-Based Inosine 5'-Monophosphate Dehydrogenase (IMPDH) Inhibitor Structure-Activity As Potential Antituberculosis Agents [published correction appears in J Med Chem. 2021 Dec 23;64(24):18233-18234]. J Med Chem. 2018;61(11):4739-4756.

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

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