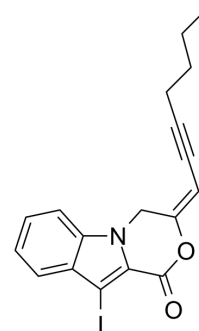


UGM-IN-3

Cat. No.:	HY-146652
CAS No.:	2254751-04-5
Molecular Formula:	C ₁₈ H ₁₆ INO ₂
Molecular Weight:	405.23
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UGM-IN-3 (compound 10a) is a UDP-galactopyranose mutase (UGM) inhibitor with a K _d of 66 μM. UGM-IN-3 inhibits the growth of <i>Mycobacterium tuberculosis</i> with a MIC value of 6.2 μg/mL ^[1] .
IC ₅₀ & Target	Kd: 66 μM (UDP-galactopyranose mutase (UGM)) ^[1] MIC: 6.2 μg/mL (<i>Mycobacterium tuberculosis</i>) ^[1]

REFERENCES

[1]. Carine Maaliki, et al. Synthesis and evaluation of heterocycle structures as potential inhibitors of *Mycobacterium tuberculosis* UGM. *Bioorg Med Chem*. 2020 Jul 1;28(13):115579.

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

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