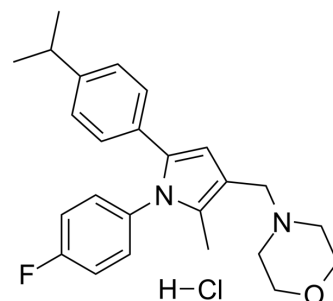


BM635 hydrochloride

Cat. No.:	HY-109587A
CAS No.:	2748337-90-6
Molecular Formula:	C ₂₅ H ₃₀ ClFN ₂ O
Molecular Weight:	428.97
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BM635 hydrochloride is a MmpL3 inhibitor with outstanding anti-mycobacterial activity. BM635 hydrochloride has an MIC ₅₀ of 0.08 μM against M.tuberculosis H37Rv. BM635 hydrochloride doubles the in vivo exposure with respect to the free base BM635 ^[1] .
IC₅₀ & Target	MIC ₅₀ : 0.08 μM (M. tuberculosis H37Rv) ^[1]
In Vivo	BM635 hydrochloride (oral administration; 50 mg/Kg) results in gradual elevations in blood up to a C _{max} of 579.1 ng/ml with T _{max} of 3 hour. It doubles the in vivo exposure with respect to the free base BM635 in C57BL/6J mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Poce G, et al. Pharmaceutical salt of BM635 with improved bioavailability. Eur J Pharm Sci. 2017 Mar 1;99:17-23.

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

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