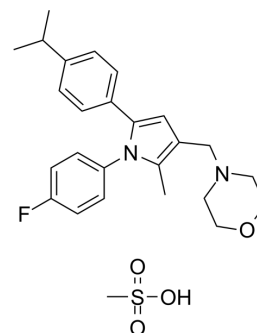


## BM635 mesylate

Cat. No.:	HY-109587B
CAS No.:	2703867-74-5
Molecular Formula:	C <sub>26</sub> H <sub>33</sub> FN <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	488.61
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	BM635 mesylate is a MmpL3 inhibitor with outstanding anti-mycobacterial activity. BM635 mesylate has a MIC <sub>50</sub> of 0.6 μM against <i>M. tuberculosis</i> H37Rv. BM635 mesylate significantly improves the bioavailability compared to free-base BM635 <sup>[1]</sup> .
IC <sub>50</sub> & Target	MIC <sub>50</sub> : 0.08 μM ( <i>M. tuberculosis</i> H37Rv) <sup>[1]</sup>
In Vivo	BM635 mesylate (oral administration; 50 mg/kg) results in gradual elevations in blood up to a C <sub>max</sub> of 2970 ng/ml with T <sub>max</sub> of 0.8 hour, it has a improved solubility compared to BM635 hydrochloride. In addition, BM635-Mes significantly improves the bioavailability with a AUC 4 times higher than free-base BM635 <sup>[1]</sup> . 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA