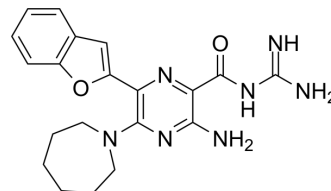


BB2-50F

Cat. No.:	HY-162142
CAS No.:	2226086-65-1
Molecular Formula:	C ₂₀ H ₂₃ N ₇ O ₂
Molecular Weight:	393.44
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

BB2-50F is a potent and multi-targeting bioenergetic bactericidal inhibitor of *M. tuberculosis* and can sterilize replicating and non-replicating *M. tuberculosis*. BB2-50F inhibits succinate oxidation, decreases the activity of the tricarboxylic acid (TCA) cycle, and results in succinate secretion from *M. tuberculosis*.^[1]

REFERENCES

[1]. Adolph C, et al. A dual-targeting succinate dehydrogenase and F1Fo-ATP synthase inhibitor rapidly sterilizes replicating and non-replicating Mycobacterium tuberculosis. Cell Chem Biol. 2023 Dec 21:S2451-9456(23)00432-4.

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

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