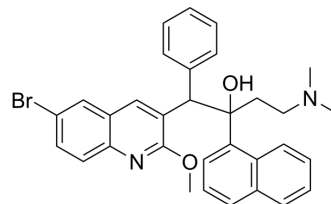


(Rac)-Bedaquiline

Cat. No.:	HY-14881B
CAS No.:	654655-80-8
Molecular Formula:	C ₃₂ H ₃₁ BrN ₂ O ₂
Molecular Weight:	555.5
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(Rac)-Bedaquiline is the racemate of Bedaquiline. Bedaquiline (TMC207) is a diarylquinoline agent and inhibits Mycobacterium tuberculosis (Mtb) F1FO-ATP synthase through targeting both the c- and the ε-subunit. Bedaquiline has uncoupler activity. Bedaquiline is used for the multi-agent resistant tuberculosis^{[1][2]}.

REFERENCES

[1]. Jang JC, et al. Bedaquiline susceptibility test for totally drug-resistant tuberculosis Mycobacterium tuberculosis. J Microbiol. 2017 Jun;55(6):483-487.

[2]. Sarathy JP, et al. TBAJ-876 Displays Bedaquiline-Like Mycobactericidal Potency without Retaining the Parental Drug's Uncoupler Activity. Antimicrob Agents Chemother. 2020 Jan 27;64(2):e01540-19.

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

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