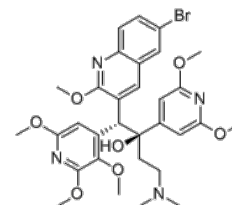


Product Name : TBAJ-876
Cat. No. : PC-38230
CAS No. : 2332841-25-3
Molecular Formula : C₃₁H₃₇BrN₄O₇
Molecular Weight : 657.562
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

TBAJ-876 (Sorfequiline, TBAJ876) is a potent inhibitor of **mycobacterial F-ATP synthase**, inhibits ATP synthesis catalyzed by the mycobacterial F-ATP synthase with IC₅₀ of 0.03 nM.

TBAJ-876 shows depleting intrabacterial ATP (IC₅₀=0.89 nM), and inhibiting growth of *M. bovis* BCG (MIC₉₀=7.2 nM).

TBAJ-876 binds to the ε subunit at BDQ's binding site. TBAJ-876 shows attractive antitubercular activity and efficacy in a murine tuberculosis model.

TBAJ-876 shows attractive in vitro and in vivo activities against *M. abscessus*, similar to its BDQ parent.

References

Jickky Palmae Sarathy, et al. *Antimicrob Agents Chemother.* 2019 Sep 23;63(10):e01191-19.

Sarathy JP, et al. *Antimicrob Agents Chemother.* 2020 Jan 27;64(2):e01540-19.

Sarathy JP, et al. *Antimicrob Agents Chemother.* 2020 Mar 24;64(4):e02404-19.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com