

**PRODUCT: Bedaquiline****ALTERNATE NAME:** (1R,2S)-1-(6-Bromo-2-methoxy-3-quinolyl)-4-dimethylamino-2-(1-naphthyl)-1-phenyl-butan-2-ol; TMC207**CATALOG #:** 9598-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>32</sub>H<sub>31</sub>B<sub>1</sub>N<sub>2</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 555.50**CAS NUMBER:** 843663-66-1**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** Bedaquiline is an anti-tuberculosis drug. Bedaquiline's unique and specific anti-mycobacterial activity derives from inhibition of the proton pump of mycobacterial ATP synthase, which is a critical enzyme in the ATP synthesis of *M. tuberculosis*. Binding of bedaquiline to the oligomeric and proteolipic subunit-c of mycobacterial ATP synthase leads to inhibition of ATP synthesis, which subsequently results in bacterial death.**REFERENCE:** Mahajan, R. (2013). *Int. J. Appl. Basic Med. Res.* **3**, 1-2.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Elacridar (**Cat. No. 2792-5, 25**)MK-571 (**Cat. No. 2691-5, 25**)MK-571, sodium salt (**Cat. No. 2692-5, 25**)NSC-23925 (**Cat. No. 2686-5, 25**)Tariquidar (**Cat. No. 2853-10, 50**)Zosuquidar trihydrochloride (**Cat. No. 9488-5,25**)**USAGE:** ***FOR RESEARCH USE ONLY! Not to be used in humans***