

Catalog	Unit
TBI4403-5MG	5 mg
TBI4403-25MG	25 mg

### Product Details

**Formal Name:** (1R,2S)-1-(6-Bromo-2-methoxyquinolin-3-yl)-4-(dimethylamino)-2-naphthalen-1-yl-1-phenylbutan-2-ol

**Alternate Names:** TMC207; R207910

**Molecular Formula:** C<sub>32</sub>H<sub>31</sub>BrN<sub>2</sub>O<sub>2</sub>

**Formula Weight:** 555.50

**CAS Number:** 843663-66-1

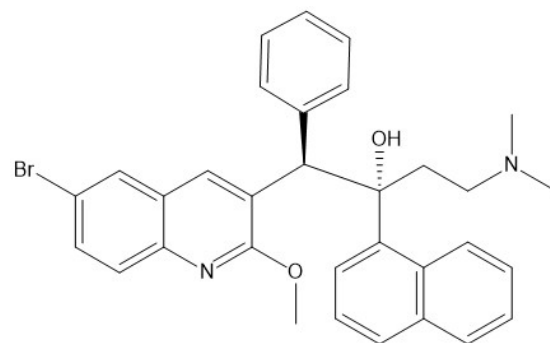
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 10 mg/ml)

**Storage:** RT

**Stability:** ≥ 1 year.



### Applications

Antituberculosis/SARS-CoV2 3CLpro inhibitor

### Functions

Clinically useful antituberculosis agent that is active (MIC's 0.030 to 0.120 µg/mL) against multi-drug resistant strains. It interferes with mycobacterial energy metabolism via binding to the oligomeric subunit c (AtpE) and subunit ε of ATP synthase inhibiting ATP production. Bedaquiline has recently been found to be an inhibitor (IC<sub>50</sub> = 18.7 µM) of the SARS-CoV-2 main protease, 3CLpro.

### Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

**For research use only.**