

Product Specification Sheet

Product Name: BMS-207147 (Ravuconazole)

Catalog Number: C2207

Technical information:

Chemical Formula: C₂₂H₁₇F₂N₅OS

CAS #: 182760-06-1

Molecular Weight: 437.47

Purity: > 98%

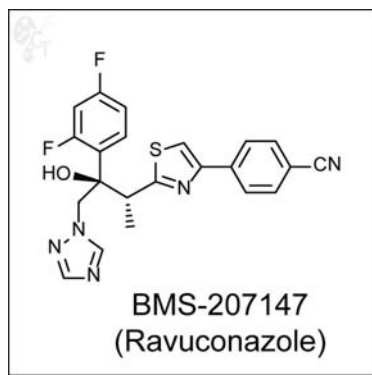
Appearance: White solid

Solubility: Soluble in DMSO up to 22 mM

Chemical Name: 4-[2-[(2R,3R)-3-(2,4-difluorophenyl)-3-hydroxy-4-(1,2,4-triazol-1-yl)butan-2-yl]-1,3-thiazol-4-yl]benzonitrile

Storage: Store solid powder at 4°C desiccated; Store DMSO solution at -20°C.

Shelf Life: In the unopened package, powder is stable for 1 year and DMSO solution is stable for 6 months under proper storage condition.



- Handling:**
- To make 10 mM stock solution, add 0.229mL of DMSO for each mg of BMS-207147 (Ravuconazole)
 - For DMSO solution, briefly spin the vial at 500 rpm in a 50 mL conical tube to ensure maximum sample recovery.

Biological Activity: BMS207147 is a orally-available, triazole-based antifungal with MICs 2- to 4-fold more potent than itraconazole and 40-fold more active than fluconazole against yeasts. In all but 9 of 116 Candida strains tested, BMS207147 had MICs of <0.5 ug/mL. [1] In oral mouse studies, BMS207147 was shown to have a 3-fold longer half-life than itraconazole. [2]

In 541 clinical isolates of Cryptococcus neoformans, BMS207147 again proved to be more potent than itraconazole and fluconazole (0.25 ug/mL vs 0.5 ug/mL and 8 ug/mL). [3]

- Reference:**
1. Fung-Tomc et al., In vitro activity of a new oral triazole, BMS-207147 (ER-30346). Antimicrob. Agents Chemother. 1998, 42(2), 313-318. Pubmed ID: 9527778
 2. Yamazumi et al., In vitro activities of BMS-207147 against over 600 contemporary clinical bloodstream isolates of Candida species from the SENTRY Antimicrobial Surveillance Program in North America and Latin America. Antimicrob. Agents Chemother. 1999, 43(9), 2236-2239. Pubmed ID: 10471571
 3. Yamazumi et al., In vitro activities of ravuconazole (BMS-207147) against 541 clinical isolates of Cryptococcus neoformans. Antimicrob. Agents Chemother. 2000, 44(10), 2883-2886. Pubmed ID: 10991880

To reorder: <http://www.cellagentech.com/BMS-207147-Ravuconazole/>

For Technical Support: technical@cellagentech.com

Chemicals are sold for research use only, not for clinical or diagnostic use.