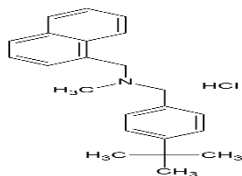


# Butenafine hydrochloride

**ALTERNATE NAME:** N-[[4-(1,1-dimethylethyl)phenyl]methyl]-N-methyl-1-naphthalenemethanamine, monohydrochloride

**CATALOG #:** B2421-50 50 mg  
B2421-250 250 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>23</sub>H<sub>27</sub>N • HCl

**MOLECULAR WEIGHT:** 353.93

**CAS NUMBER:** 101827-46-7

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98%

**SOLUBILITY:** >10 mg/ml DMSO

**STORAGE CONDITIONS:** -20°C

**DESCRIPTION:** Butenafine is a potent antifungal agent that has broad-spectrum activity against 87 strains of dermatophytes. Butenafine works by inhibiting the synthesis of sterols by inhibiting squalene epoxidase, an enzyme responsible for the creation of sterols needed in fungal cell membranes.

**REFERENCES:** Maeda, T., et al. (1991). Yakugaku Zasshi 111, 126-137

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Posaconazole (9526)  
Voriconazole (B2032)  
Itraconazole (1987)  
Miconazole sodium (2585)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*