

# Butenafine (Hydrochloride)

Catalog No: tcsc1124



## Available Sizes

**Size:** 500mg

**Size:** 1g

**Size:** 5g



## Specifications

**CAS No:**

101827-46-7

**Formula:**

$C_{23}H_{28}ClN$

**Pathway:**

Anti-infection

**Target:**

Fungal

**Purity / Grade:**

>98%

**Solubility:**

H<sub>2</sub>O : 1 mg/mL (2.83 mM; Need ultrasonic); DMSO : 25 mg/mL (70.64 mM; Need ultrasonic)

**Alternative Names:**

KP363 (Hydrochloride)

**Observed Molecular Weight:**

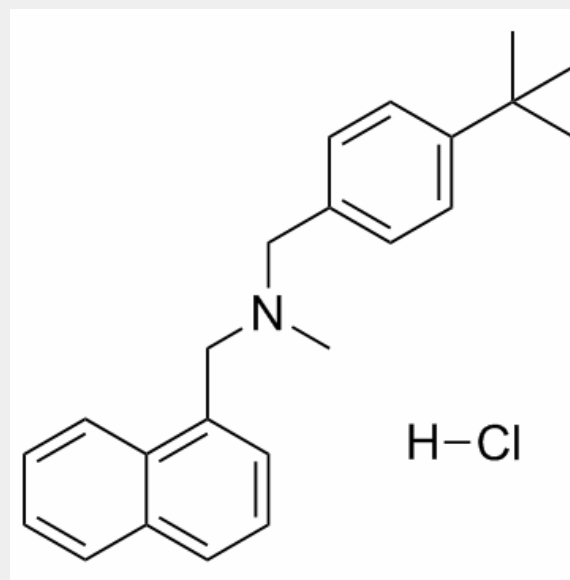
353.93

## Product Description

Butenafine Hydrochloride (KP363 Hydrochloride) is a synthetic benzylamine antifungal, works by inhibiting the synthesis of sterols by inhibiting squalene epoxidase.

IC50 & Target: Antifungal; squalene epoxidase

***In Vitro:*** Butenafine Hydrochloride, a benzylamine derivative, is an antifungal which is used to control dermal fungal infections such as athletes foot and ring worm. Butenafine Hydrochloride is squalene epoxidase inhibitor, inhibits the synthesis of ergosterol needed in fungal cell membranes. The drug has excellent penetration into the epidermis and a prolonged retention time following topical application, conferring residual therapeutic activity after treatment cessation. Butenafine possess anti-inflammatory activity too. Butenafine hydrochloride 1% cream is safe and effective for tinea corporis cruris and tinea manuum pedis.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!