



LKT Laboratories, Inc.
Amorolfine Hydrochloride

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: info@lktlabs.com

Product Information

Product ID A5056
CAS No. 78613-38-4
Chemical Name (2S,6R)-2,6-dimethyl-4-[2-methyl-3-[4-(2-methylbutan-2-yl)phenyl]propyl]morpholine hydrochloride

Synonym

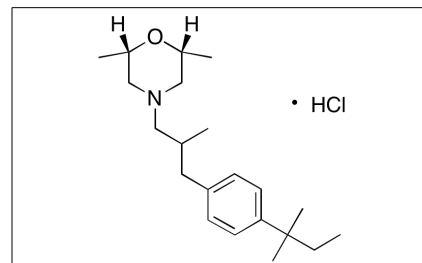
Formula $C_{21}H_{35}NO \cdot HCl$
Formula Wt. 353.97
Melting Point 204-206°C
Purity $\geq 98.5\%$

Solubility Slightly soluble in water,
less soluble in HCl solution

Store Temp Ambient

Ship Temp Ambient

Description Amorolfine is an antifungal compound that prevents ergosterol synthesis through the inhibition of sterol 14 α -demethylase. Amorolfine increases release of prostaglandin D2 metabolites, inhibiting release of thromboxane B2 (TxB2), activation of NF- κ B, and production of thymic stromal lymphopoietin; as a result, inflammation in atopic dermatitis models is decreased.



Bulk quantities available upon request

Product ID	Size
A5056	100 mg
A5056	250 mg
A5056	1 g

References Ghelardi E, Celandroni F, Gueye SA, et al. Potential of Ergosterol Synthesis Inhibitors To Cause Resistance or Cross-Resistance in *Trichophyton rubrum*. *Antimicrob Agents Chemother.* 2014 May;58(5):2825-9. PMID: 24614379.

Hau CS, Kanda N, Watanabe S. Suppressive effects of antimycotics on thymic stromal lymphopoietin production in human keratinocytes. *J Dermatol Sci.* 2013 Sep;71(3):174-83. PMID: 23688403.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.