

Product Data Sheet

Product Name: Amorolfine HCl

Cat. No.: GC15052

Chemical Properties

Cas. No. 78613-38-4

Chemical Name (2R,6S)-2,6-dimethyl-4-[2-methyl-3-[4-(2-methylbutan-2-yl)phenyl]propyl]morpholine;hydrochloride

SMILES CCC(C)(C)C1=CC=C(C=C1)CC(C)CN2CC(OC(C2)C)C.Cl

Formula C₂₁H₃₆ClNO M.Wt 353.97

Solubility Ethanol: 20 mg/ml, PBS (pH 7.2): 10 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available sizes: ship with RT, or blue ice upon request.

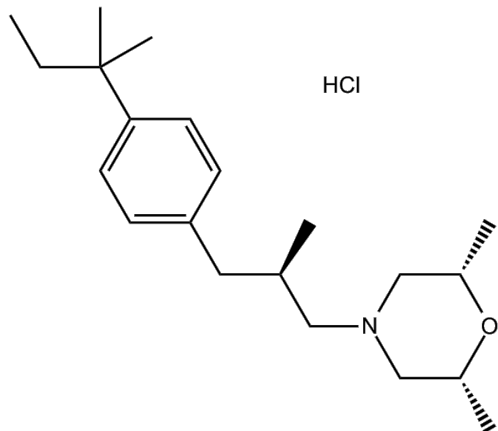
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

Amorolfine hydrochloride (Ro 14-4767/002) is an antifungal reagent. Target: Antifungal. Amorolfine is an antifungal showing activity against fungi pathogenic to plants, animals and humans. Amorolfine possesses a broad antifungal spectrum including dermatophytes, yeasts, dimorphic fungi and moulds and is not only fungistatic but fungicidal against most species [1]. At 0.2, 2 and 5 micrograms/ml amorolfine did not have any significant inhibitory or enhancing effect on phagocytosis whether following simultaneous addition of blastospores and drug to the neutrophils, prior treatment of neutrophils for 2 h before addition of blastospores or prior treatment of blastospores for 2 h. Simultaneous addition of amorolfine resulted in a significant increase in killing at all concentrations. This increase was not significantly enhanced by either preincubation of neutrophils or blastospores for 2 h with the drug [2].

References:

- [1]. Polak, A., Preclinical data and mode of action of amorolfine. *Dermatology*, 1992. 184 Suppl 1: p. 3-7.
- [2]. Richardson, M.D., G.S. Shankland, and C.A. Gray, Effect of amorolfine (Ro 14-4767/002) on in

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

vitro phagocytosis and intracellular killing of *Candida albicans* by human neutrophils. *Mycoses*, 1989. 32(5): p. 245-9.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA