

Product Datasheet

Amorolfine HCL (orb1219338)

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| Catalog Number | orb1219338 |
| Category | Small Molecules |
| Description | Amorolfine HCL is an antifungal reagent. It exerts the antifungal activity by selectively interrupting two steps in the pathway of ergosterol synthesis and eventually disrupting the function and structure of fungal cell membrane. Amorolfine, a morpholine antifungal drug, can inhibit D14 reductase and D7-D8 isomerase. These enzymes can deplete ergosterol and cause ergosterol to accumulate in the fungal cytoplasmic cell membranes. |
| Target | Antibacterial |
| Purity | >98% (HPLC) |
| MW | 354 |
| Target Areas | Antibiotic |
| Solubility (25°C) | DMSO:12.5 mg/mL (35.31 mM; Need ultrasonic);H2O:3.33 mg/mL (9.41 mM; Need ultrasonic) |
| CAS Number | 106614-68-0 |
| Formula | C ₂₁ H ₃₆ ClNO? |
| SMILES | CCC(C)(C)C1=CC=C(C=C1)CC(C)CN2CC(OC(C2)C)C.Cl |
| Storage | Storage temperature: -20°C. Stability: ≥ 2 years |
| Note | For research use only |
| Expiration Date | 12 months from date of receipt. |

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)