

Product Data Sheet

Product Name: BM212
Cat. No.: GC18217

Chemical Properties

Cas. No. 146204-42-4

Chemical Name 1-[[1,5-bis(4-chlorophenyl)-2-methyl-1H-pyrrol-3-yl]methyl]-4-methyl-piperazine

SMILES CC1=C(CN2CCN(C)CC2)C=C(C3=CC=C(Cl)C=C3)N1C4=CC=C(Cl)C=C4

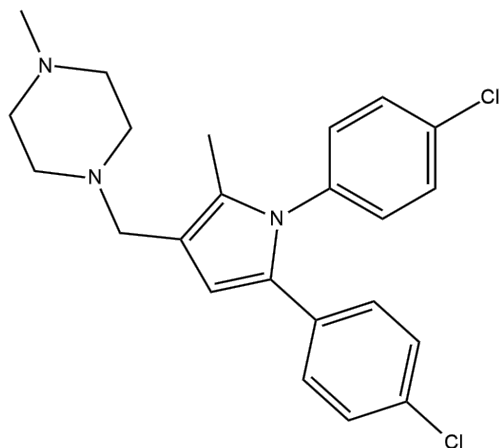
Formula $C_{23}H_{25}Cl_2N_3$ M.Wt 414.4

Solubility DMF: 0.5 mg/ml, Ethanol: 0.5 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 size: ship with RT, or blue ice upon request.

Structure



Background

BM212 is an antimycobacterial compound. It inhibits the growth of laboratory and clinical isolate *M. tuberculosis* strains (MICs = 0.7-1.5 µg/ml), including strains resistant to ethambutol, isoniazid, rifampicin, and rifabutin. BM212 also inhibits the growth of *M. fortuitum*, *M. smegmatis*, *M. kansasii*, and *M. avium* strains (MICs = 3.1-12.5, 3.1-25, 3.1-6.2, and 0.4-3.1 µg/ml, respectively). It inhibits replication of intracellular *M. tuberculosis* in infected U937 macrophages in a dose-dependent

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

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manner at concentrations ranging from 0.5-10 µg/ml. Some *M. smegmatis*, *M. bovis* BCG, and *M. tuberculosis* H37Rv mutant strains carry mutations in the mycobacterium membrane protein large 3 (mmpL3) gene and are resistant to BM212, indicating mmpL3 is likely a cellular target of BM212.

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