
Product Data Sheet

Product Name: Leucomycin A5

Cat. No.: GC19008

Chemical Properties

Cas. No. 18361-45-0

Chemical Name 4B-butanoate leucomycin V

SMILES O=C1C[C@H]([C@@H]([C@H]([C@H](C[C@H]([C@H](/C=C/C=C/C[C@H](O1)C)O)C)CC=O)O[C@@]2(O[C@@H]([C@H]([C@@H]([C@H]2O)N(C)C)O[C@]3(C[C@@](O)([C@H]([C@@H](O3)C)OC(CCC)=O)C)[H])C)[H])OC)O

Formula C₃₉H₆₅NO₁₄ M.Wt 771.9Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble
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**

Leucomycin A5 is a metabolite from the leucomycin complex, which was originally isolated from *S. kitasatoensis*. It is active against a variety of Gram-positive and Gram-negative bacteria (MICs = 0.04-0.8 ug/ml) but not against *K. pneumoniae*, *S. typhimurium*, or *E. coli* with MICs ranging from 5 to >10 ug/ml. Leucomycin A5 is also active against penicillin-susceptible and -resistant *S. pyogenes* (MICs = 0.8 and 3.2 ug/ml, respectively) and *S. faecalis* (MIC = 0.8 ug/ml).

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

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