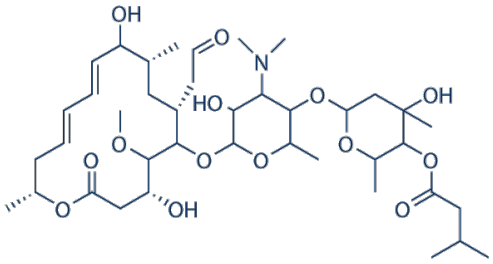
# Product Data Sheet

Product Name: Leucomycin
Cat. No.: GC39183

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 1392-21-8 | | |
| SMILES | [Leucomycin] | | |
| Formula | $C_{40}H_{67}NO_{14}$ | M.Wt | 785.96 |
| Solubility | 60mg/ml in DMSO (Need ultrasonic) | 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 (kitasamycin) is a macrolide antibiotic produced by Streptomyces kitasatoensis[1][2][3][4].

[1]. PACHTMAN EA, et al. Leucomycin; a new antibiotic. Am J Pharm Sci Support Public Health. 1958 Oct;130(10):342-4. [2]. VÉzina C, et al. Biosynthesis of kitasamycin (leucomycin) by leucine

analog-resistant mutants of Streptomyces kitasatoensis. Antimicrob Agents Chemother. 1979 May;15(5):738-46. [3]. La T, et al. Testing the efficacy of kitasamycin for use in the control and treatment of swine dysentery in experimentally infected pigs. Aust Vet J. 2019 Sep 17. [4]. Hassan AB, et al. Pharmacokinetics and tissue residues of kitasamycin in healthy and diseased broilers. Dtsch Tierarztl Wochenschr. 1990 Aug;97(8):315-7.