

Product Data Sheet

Product Name: Leucomycin

Cat. No.: GC39183

Chemical Properties

Cas. No. 1392-21-8

SMILES [Leucomycin]

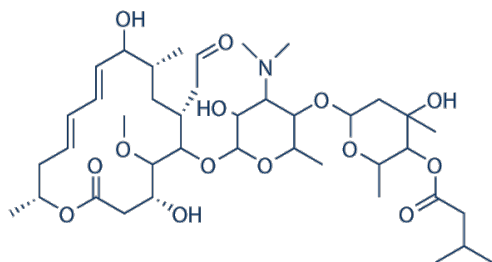
Formula $C_{40}H_{67}NO_{14}$ M.Wt 785.96

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

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

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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.

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