

Product Data Sheet

Product Name: Tiamulin fumarate (Thiamutilin fumarate)

Cat. No.: GC32091

Chemical Properties

Cas. No. 55297-96-6

SMILES O=C(O[C@H]1[C@]([C@H](C)CC2)(C)[C@@](C(CC3)=O)([H])[C@]32[C@@H](C)[C@H](O)[C@](C)(C=C)C1)CSCCN(CC)CC.O=C(O)/C=C/C(O)=O

Formula C₃₂H₅₁NO₈S M.Wt 609.81

Solubility DMSO : ≥ 50 mg/mL (81.99 mM) 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.

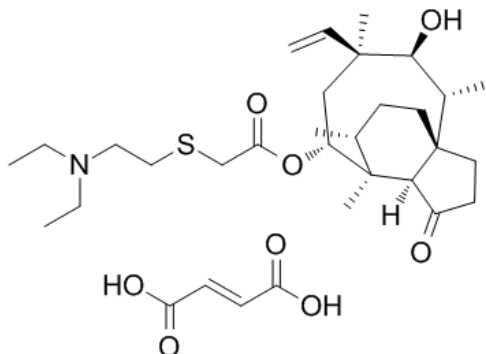
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

Tiamulin is a diterpenic veterinary drug widely used in swine for the control of infectious diseases, including swine dysentery and enzootic pneumonia.

[1]. Noa M, et al. Tiamulin-nitrovin interaction in pigs: a case report and experimental reproduction. Vet Hum Toxicol. 2000 Oct;42(5):286-8. [2]. Dreyfuss J, et al. Metabolism of tritium- and carbon-14-labeled tiamulin in dogs, rats, and pigs. J Antibiot (Tokyo). 1979 May;32(5):496-503. [3]. Islam KM, et al. The activity and compatibility of the antibiotic tiamulin with other drugs in poultry medicine--A review. Poult Sci. 2009 Nov;88(11):2353-9.

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