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## Product Data Sheet

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Product Name: Tylosin phosphate

Cat. No.: GC10526

**Chemical Properties**

Cas. No. 1405-53-4

Chemical Name 2-[(4R,5S,6S,7R,9R,11E,13Z,15R,16R)-6-[(2R,3R,4R,5S,6R)-5-[(2S,4R,5S,6S)-4,5-dihydroxy-4,6-dimethyloxan-2-yl]oxy-4-(dimethylamino)

SMILES CCC1C(C=C(C=CC(=O)C(CC(C(C(C(C(=O)O1)O)C)OC2C(C(C(C(O2)C)OC3CC(C(C(O3)C)O)(C)O)N(C)C)O)CC=O)C)C)COC4C(C(C(C(O4)C)O)OC)OC.OP(=O)(O)O

Formula  $C_{46}H_{80}NO_{21}P$  M.Wt 1014.1

Solubility DMSO : 100 mg/mL (98.61 mM; Need ultrasonic) Storage Store at -20°C

General 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 Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure **Background**

Tylosin phosphate (Fradizine; Tylocine; Tylosin A) is a broad spectrum antibiotic against Gram-positive organisms and a limited range of Gram-negative organisms.

**References:**

[1]. Pilcher CM, et al. Impact of tylosin phosphate and distillers dried grains with solubles on energy and nutrient digestibility and flow through the gastrointestinal tract in growing pigs. J Anim Sci. 2013 Dec;91(12):5687-95.

[2]. Entorf M, et al. Tylosin susceptibility of staphylococci from bovine mastitis. Vet Microbiol. 2014 Jul 16;171(3-4):368-73.

**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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