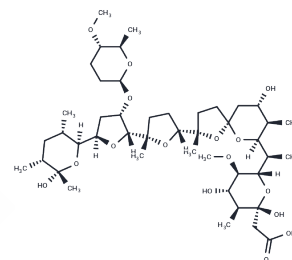


Semduramicin

Chemical Properties

CAS No. :	113378-31-7
Formula:	C ₄₅ H ₇₆ O ₁₆
Molecular Weight:	873.087
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Semduramicin is a carboxylic acid ionophore for management of chicken coccidiosis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1454 mL	5.7268 mL	11.4536 mL
5 mM	0.2291 mL	1.1454 mL	2.2907 mL
10 mM	0.1145 mL	0.5727 mL	1.1454 mL
50 mM	0.0229 mL	0.1145 mL	0.2291 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Olejniak M, Szprengier-Juszkiewicz T, Jedziniak P. Distribution of semduramicin in hen eggs and tissues after administration of cross-contaminated feed. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess.* 2014; 31(8):1393-8. doi: 10.1080/19440049.2014.927593. Epub 2014 Jun 18. PubMed PMID: 24856255.

Olejniak M, Szprengier-Juszkiewicz T, Jedziniak P. Semduramicin in eggs--the incompatibility of feed and food maximum levels. *Food Chem.* 2014 Apr 15;149:178-82. doi: 10.1016/j.foodchem.2013.10.091. Epub 2013 Nov 1. PubMed PMID: 24295692.

Vincent U, Serano F, de la Huebra MJ, von Holst C. Determination of semduramicin in poultry feed additive, premixture and compound feed by liquid chromatography and UV spectrophotometric detection after post-column derivatisation. *J Pharm Biomed Anal.* 2012 Mar 5;61:150-5. doi: 10.1016/j.jpba.2011.11.017. Epub 2011 Nov 22. PubMed PMID: 22169468.

Conway DP, Johnson JK, Guyonnet V, Long PL, Smothers CD. Efficacy of semduramicin and salinomycin against different stages of *Eimeria tenella* and *E. acervulina* in the chicken. *Vet Parasitol.* 1993 Jan;45(3-4):215-29. PubMed PMID: 8447065.

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