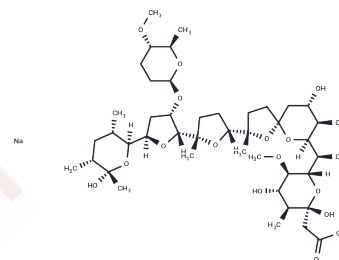


Semduramicin sodium

Chemical Properties

CAS No. :	119068-77-8
Formula:	C ₄₅ H ₇₅ NaO ₁₆
Molecular Weight:	895.06
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 sodium is a carboxylic acid ionophore for management of chicken coccidiosis.
Targets(IC50)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1172 mL	5.5862 mL	11.1724 mL
5 mM	0.2234 mL	1.1172 mL	2.2345 mL
10 mM	0.1117 mL	0.5586 mL	1.1172 mL
50 mM	0.0223 mL	0.1117 mL	0.2234 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

- Ericson JF, Calcagni A, Lynch MJ. Determination of semduramicin sodium in poultry liver by liquid chromatography with vanillin postcolumn derivatization. *J AOAC Int.* 1994 May-Jun;77(3):577-82. PubMed PMID: 8012203.
- Pesti GM, Cervantes H, Bakalli RI, Bafundo KW, Garcia MN. Studies on semduramicin and nutritional responses: 3. Electrolyte balance. *Poult Sci.* 1999 Nov;78(11):1552-60. PubMed PMID: 10560828.
- Vincent U, Ezerskis Z, Chedin M, von Holst C. Determination of ionophore coccidiostats in feeding stuffs by liquid chromatography-tandem mass spectrometry. Part II. Application to cross-contamination levels and non-targeted feed. *J Pharm Biomed Anal.* 2011 Feb 20;54(3):526-34. doi: 10.1016/j.jpba.2010.09.038. Epub 2010 Oct 8. PubMed PMID: 21041054.
- Rokka M, Jestoi M, Peltonen K. Trace level determination of polyether ionophores in feed. *Biomed Res Int.* 2013; 2013:151363. doi: 10.1155/2013/151363. Epub 2012 Dec 4. PubMed PMID: 23484082; PubMed Central PMCID: PMC3591113.

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