

Carbarsone

Chemical Properties

CAS No.:	121-59-5
Formula:	C ₇ H ₉ AsN ₂ O ₄
Molecular Weight:	259.08
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Carbarsone is a compound that is used in the treatment of intestinal amoebiasis.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.860 mL	19.299 mL	38.598 mL
5 mM	0.772 mL	3.860 mL	7.720 mL
10 mM	0.386 mL	1.930 mL	3.860 mL
50 mM	0.077 mL	0.386 mL	0.772 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Peng D, Feng L, Pan Y, Wang Y, Chen D, Wang J, Yuan Z. Development and validation of an indirect competitive enzyme-linked immunosorbent assay for monitoring organoarsenic compounds in edible chicken and pork and feed. Food Chem. 2016 Apr 15;197(Pt A):821-8. doi: 10.1016/j.foodchem.2015.11.055. Epub 2015 Nov 14. PubMed PMID: 26617022.
2. Fisher DJ, Yonkos LT, Staver KW. Environmental concerns of roxarsone in broiler poultry feed and litter in Maryland, USA. Environ Sci Technol. 2015 Feb 17;49(4):1999-2012. doi: 10.1021/es504520w. Epub 2015 Feb 4. Review. PubMed PMID: 25608233.
3. P Mangalgi K, Adak A, Blaney L. Organoarsenicals in poultry litter: detection, fate, and toxicity. Environ Int. 2015 Feb;75:68-80. doi: 10.1016/j.envint.2014.10.022. Epub 2014 Nov 15. Review. PubMed PMID: 25461415.
4. Nagata N, Marriott D, Harkness J, Ellis JT, Stark D. Current treatment options for Dientamoeba fragilis infections. Int J Parasitol Drugs Drug Resist. 2012 Sep 3;2:204-15. doi: 10.1016/j.ijpddr.2012.08.002. eCollection 2012 Dec. Review. PubMed PMID: 24533282; PubMed Central PMCID: PMC3862407.

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