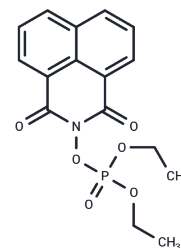


Naftalofos

Chemical Properties

CAS No. :	1491-41-4
Formula:	C ₁₆ H ₁₆ NO ₆ P
Molecular Weight:	349.28
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	Naftalofos is an anthelmintic and an insecticide.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: Insoluble, 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	2.863 mL	14.3152 mL	28.6303 mL
5 mM	0.5726 mL	2.863 mL	5.7261 mL
10 mM	0.2863 mL	1.4315 mL	2.863 mL
50 mM	0.0573 mL	0.2863 mL	0.5726 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

Kotze AC, Ruffell AP, Ingham AB. Phenobarbital induction and chemical synergism demonstrate the role of UDP-glucuronosyltransferases in detoxification of naphthalophos by *Haemonchus contortus* larvae. *Antimicrob Agents Chemother*. 2014 Dec;58(12):7475-83. doi: 10.1128/AAC.03333-14. Epub 2014 Oct 6. PubMed PMID: 25288079; PubMed Central PMCID: PMC4249576.

Fiel C, Guzmán M, Steffan P, Rodriguez E, Prieto O, Bhushan C. The efficacy of trichlorophon and naphthalophos against multiple anthelmintic-resistant nematodes of naturally infected sheep in Argentina. *Parasitol Res*. 2011 Aug;109 Suppl 1:S139-48. doi: 10.1007/s00436-011-2410-8. PubMed PMID: 21739383.

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