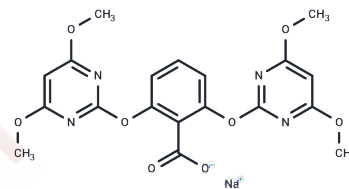


Bispyribac sodium

Chemical Properties

CAS No. :	125401-92-5
Formula:	C ₁₉ H ₁₇ N ₄ NaO ₈
Molecular Weight:	452.35
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	Bispyribac-sodium is a herbicide
Targets(IC50)	Others

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	2.2107 mL	11.0534 mL	22.1068 mL
5 mM	0.4421 mL	2.2107 mL	4.4214 mL
10 mM	0.2211 mL	1.1053 mL	2.2107 mL
50 mM	0.0442 mL	0.2211 mL	0.4421 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

- Li KJ, Qu RY, Liu YC, Yang JF, Devendar P, Chen Q, Niu CW, Xi Z, Yang GF. Design, Synthesis, and Herbicidal Activity of Pyrimidine-Biphenyl Hybrids as Novel Acetohydroxyacid Synthase Inhibitors. *J Agric Food Chem*. 2018 Apr 18;66(15):3773-3782. doi: 10.1021/acs.jafc.8b00665. Epub 2018 Apr 10. PubMed PMID: 29618205.
- Ahmad F, Anwar S, Firdous S, Da-Chuan Y, Iqbal S. Biodegradation of bispyribac sodium by a novel bacterial consortium BDAM: Optimization of degradation conditions using response surface methodology. *J Hazard Mater*. 2018 May 5;349:272-281. doi: 10.1016/j.jhazmat.2017.12.065. Epub 2017 Dec 29. PubMed PMID: 29438823.
- Saha S, Majumder S, Das S, Das TK, Bhattacharyya A, Roy S. Effect of pH on the Transformation of a New Readymix Formulation of the Herbicides Bispyribac Sodium and Metamifop in Water. *Bull Environ Contam Toxicol*. 2018 Apr; 100(4):548-552. doi: 10.1007/s00128-018-2269-9. Epub 2018 Feb 9. PubMed PMID: 29427153.
- Stenert C, de Mello ÍCMF, Pires MM, Knauth DS, Katayama N, Maltchik L. Responses of macroinvertebrate communities to pesticide application in irrigated rice fields. *Environ Monit Assess*. 2018 Jan 10;190(2):74. doi: 10.1007/s10661-017-6425-1. PubMed PMID: 29322271.

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