Data Sheet (Cat.No.T20237)

TargetMol
A DRUG SCREENING EXPERT

Fenhexamid

Chemical Properties

CAS No.:	126833-17-8
Formula:	C14H17Cl2NO2
Molecular Weight:	302.19
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Fenhexamid is an antifungal agent (pesticides). It is used for agriculture and is present in measurable amounts in fruits and vegetables.

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.309 mL	16.546 mL	33.092 mL
5 mM	0.662 mL	3.309 mL	6.618 mL
10 mM	0.331 mL	1.655 mL	3.309 mL
50 mM	0.066 mL	0.331 mL	0.662 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Go RE, Kim CW, Choi KC. Effect of fenhexamid and cyprodinil on the expression of cell cycle- and metastasis-related genes via an estrogen receptor-dependent pathway in cellular and xenografted ovarian cancer models. Toxicol Appl Pharmacol. 2015 Nov 15;289(1):48-57. doi: 10.1016/j.taap.2015.09.001. Epub 2015 Sep 5. PubMed PMID: 26344002.
2. Teng Y, Manavalan TT, Hu C, Medjakovic S, Jungbauer A, Klinge CM. Endocrine disruptors fludioxonil and fenhexamid stimulate miR-21 expression in breast cancer cells. Toxicol Sci. 2013 Jan;131(1):71-83. doi: 10.1093/toxsci/kfs290. Epub 2012 Oct 10. PubMed PMID: 23052036; PubMed Central PMCID: PMC3537134.
3. Debieu D, Bach J, Montesinos E, Fillinger S, Leroux P. Role of sterol 3-ketoreductase sensitivity in susceptibility to the fungicide fenhexamid in Botrytis cinerea and other phytopathogenic fungi. Pest Manag Sci. 2013 May;69(5):642-51. doi: 10.1002/ps.3418. Epub 2012 Nov 9. PubMed PMID: 23139232.
4. Mofeed J, Mosleh YY. Toxic responses and antioxidative enzymes activity of Scenedesmus obliquus exposed to fenhexamid and atrazine, alone and in mixture. Ecotoxicol Environ Saf. 2013 Sep;95:234-40. doi: 10.1016/j.ecoenv.2013.05.023. Epub 2013 Jun 22. PubMed PMID: 23796667.

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