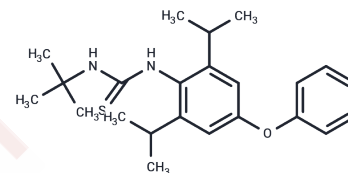


Diafenthiuron

Chemical Properties

CAS No. :	80060-09-9
Formula:	C ₂₃ H ₃₂ N ₂ O ₅
Molecular Weight:	384.58
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	Diafenthiuron is a widely utilized thiourea-based pesticide that effectively hinders mitochondrial activity in insect pests.
Targets(IC50)	Others,OXPPOS,Mitochondrial Metabolism,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6002 mL	13.0012 mL	26.0024 mL
5 mM	0.520 mL	2.6002 mL	5.2005 mL
10 mM	0.260 mL	1.3001 mL	2.6002 mL
50 mM	0.052 mL	0.260 mL	0.520 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

Muhammad Riaz-Ul-Haq, et al. Effect of Diafenthiuron exposure under short and long term experimental conditions on hematology, serum biochemical profile and elemental composition of a non-target organism, *Labeo rohita*. *Environ Toxicol Pharmacol*. 2018 Sep;62:40-45.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481