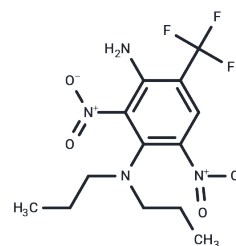


Prodiamine

Chemical Properties

CAS No. :	29091-21-2
Formula:	C ₁₃ H ₁₇ F ₃ N ₄ O ₄
Molecular Weight:	350.29
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	Prodiamine exhibits inhibitory activity against <i>Toxoplasma gondii</i> RH (IC ₅₀ = 0.036 μM) and can be used in related research in the life sciences.
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	2.8548 mL	14.2739 mL	28.5478 mL
5 mM	0.571 mL	2.8548 mL	5.7096 mL
10 mM	0.2855 mL	1.4274 mL	2.8548 mL
50 mM	0.0571 mL	0.2855 mL	0.571 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

- Mara C, et al. Synthesis and evaluation of phosphoramidate and phosphorothioamidate analogues of amiprofos methyl as potential antimalarial agents. *Bioorg Med Chem Lett*. 2011;21(20):6180-6183.
- Hurley PM. Mode of carcinogenic action of pesticides inducing thyroid follicular cell tumors in rodents. *Environ Health Perspect*. 1998 Aug;106(8):437-45. PubMed PMID: 9681970; PubMed Central PMCID: PMC1533205.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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