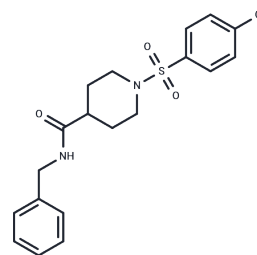


Antimalarial agent 17

Chemical Properties

CAS No. :	508187-76-6
Formula:	C ₁₉ H ₂₁ ClN ₂ O ₃ S
Molecular Weight:	392.9
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	Antimalarial agent 17 is an effective antimalarial agent and herbicide, also a photosystem II inhibitor with post-emergence herbicidal activity.
Targets(IC50)	Antibiotic,Photosystem (PS)
In vitro	Antimalarial agent 17 (compound 7) (25, 50, 100, 200, 400 mg/L; post-emergence) shows a potent post-emergence herbicidal activity against A. thaliana. seedlings[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (203.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5452 mL	12.7259 mL	25.4518 mL
5 mM	0.509 mL	2.5452 mL	5.0904 mL
10 mM	0.2545 mL	1.2726 mL	2.5452 mL
50 mM	0.0509 mL	0.2545 mL	0.509 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

Corral MG, et al. Exploiting the Evolutionary Relationship between Malarial Parasites and Plants To Develop New Herbicides. Angew Chem Int Ed Engl. 2017;56(33):9881-9885.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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