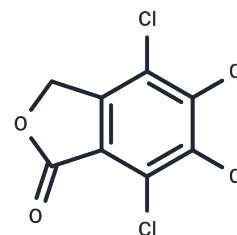


## 4,5,6,7-Tetrachlorophthalide

## Chemical Properties

CAS No. :	27355-22-2
Formula:	C <sub>8</sub> H <sub>2</sub> Cl <sub>4</sub> O <sub>2</sub>
Molecular Weight:	271.91
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	4,5,6,7-Tetrachlorophthalide is a fungicide used for the control of rice blast. It has a role as a melanin synthesis inhibitor and an antifungal agrochemical.
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## 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	3.6777 mL	18.3884 mL	36.7769 mL
5 mM	0.7355 mL	3.6777 mL	7.3554 mL
10 mM	0.3678 mL	1.8388 mL	3.6777 mL
50 mM	0.0736 mL	0.3678 mL	0.7355 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

- Maeda T, Iwashita M, Hori T, Asada T, Oikawa K, Kawata K. Variation of 4,5,6,7-tetrachlorophthalide in water after aerial application to rice cultivation area. Bull Environ Contam Toxicol. 2008 May;80(5):399-402.
- Yoshida N, Ye L, Baba D, Katayama A. A novel Dehalobacter species is involved in extensive 4,5,6,7-tetrachlorophthalide dechlorination. Appl Environ Microbiol. 2009 Apr;75(8):2400-5.

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