

## Benthiazole

## Chemical Properties

CAS No. : 21564-17-0

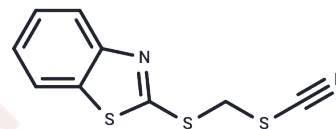
Formula: C<sub>9</sub>H<sub>6</sub>N<sub>2</sub>S<sub>3</sub>

Molecular Weight: 238.35

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Benthiazole (Superdaxloxan) is a broad-spectrum seed protectant that is effective against soil- and seed-borne fungal or bacterial diseases.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (4.2 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1955 mL	20.9776 mL	41.9551 mL
5 mM	0.8391 mL	4.1955 mL	8.391 mL
10 mM	0.4196 mL	2.0978 mL	4.1955 mL
50 mM	0.0839 mL	0.4196 mL	0.8391 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

Einem Lindeman T,et al. The resveratrol analogue, 2,3',4,5'-tetramethoxystilbene, does not inhibit CYP gene expression, enzyme activity and benzo[a]pyrene-DNA adduct formation in MCF-7 cells exposed to benzo[a]pyrene. Mutagenesis. 2011 Sep;26(5):629-35.

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