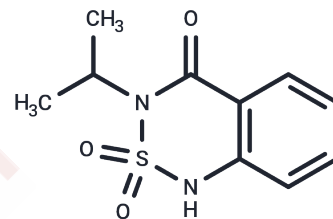


## Bentazone

## Chemical Properties

CAS No. :	25057-89-0
Formula:	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	240.28
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Bentazone is a selective post-emergence herbicide that interferes with photosynthesis, used to suppress broadleaf weeds and sedges.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble, 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	4.1618 mL	20.8091 mL	41.6181 mL
5 mM	0.8324 mL	4.1618 mL	8.3236 mL
10 mM	0.4162 mL	2.0809 mL	4.1618 mL
50 mM	0.0832 mL	0.4162 mL	0.8324 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

- Abudayyak M, et al. Effects of bentazone on lipid peroxidation and antioxidant systems in human erythrocytes in vitro. *Drug Chem Toxicol.* 2014 Oct;37(4):410-4.
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- Levi S, et al. Stimulation of aerobic degradation of bentazone, mecoprop and dichlorprop by oxygen addition to aquifer sediment. *Sci Total Environ.* 2014 Mar 1;473-474:667-75.
- Brkić D, et al. Subacute and subchronic toxicity of Avalon(®) mixture (bentazone+dicamba) to rats. *Environ Toxicol Pharmacol.* 2015 May;39(3):1057-66.

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