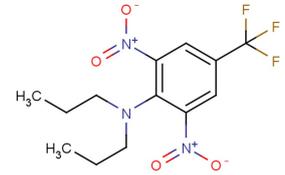


## Data Sheet (Cat.No.T17163)

### Trifluralin

#### Chemical Properties

CAS No.:	1582-09-8
Formula:	C <sub>13</sub> H <sub>16</sub> F <sub>3</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	335.28
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



#### Biological Description

Description	Trifluralin is a commonly used pre-emergence herbicide. It inhibits root development by interrupting mitosis and thus can control weeds as they germinate.
Targets(IC <sub>50</sub> )	Others: None

#### Solubility Information

Solubility	DMSO: 100 mg/mL (298.26 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.983 mL	14.913 mL	29.826 mL
5 mM	0.597 mL	2.983 mL	5.965 mL
10 mM	0.298 mL	1.491 mL	2.983 mL
50 mM	0.06 mL	0.298 mL	0.597 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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