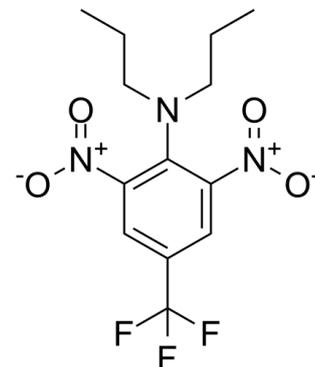


## Data Sheet

<b>Product Name:</b>	Trifluralin
<b>Cat. No.:</b>	CS-5200
<b>CAS No.:</b>	1582-09-8
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>16</sub> F <sub>3</sub> N <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	335.28
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	DMSO : ≥ 100 mg/mL (298.26 mM); H <sub>2</sub> O : < 0.1 mg/mL (insoluble)



### BIOLOGICAL ACTIVITY:

Trifluralin is a commonly used pre-emergence herbicide. Trifluralin is generally applied to the soil to provide control of a variety of annual grass and broadleaf weed species. It inhibits root development by interrupting mitosis, and thus can control weeds as they germinate.

### CAIndexNames:

Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-

### SMILES:

FC(C1=CC([N+](O-)=O)=C(N(CCC)CCC)C([N+](O-)=O)=C1)(F)F

**Caution: Product has not been fully validated for medical applications. For research use only.**

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