

## Product Data Sheet

### Spermine

<b>Cat. No.:</b>	C4910
<b>CAS No.:</b>	71-44-3
<b>Formula:</b>	C <sub>10</sub> H <sub>26</sub> N <sub>4</sub>
<b>M.Wt:</b>	202.3
<b>Synonyms:</b>	Gerontine, Musculamine, Neuridine, NSC 268508, 1,5,10,14-Tetraazatetradecane
<b>Target:</b>	Neuroscience
<b>Pathway:</b>	NMDA
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

≥37.6 mg/mL in DMSO; ≥43.5 mg/mL in EtOH; ≥47.5 mg/mL in H<sub>2</sub>O

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		4.9432 mL	24.7158 mL	49.4315 mL
	5 mM		0.9886 mL	4.9432 mL	9.8863 mL
	10 mM		0.4943 mL	2.4716 mL	4.9432 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary

Mixed NMDA glutamate receptor agonist/antagonist at the polyamine site

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APExBIO Technology**

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