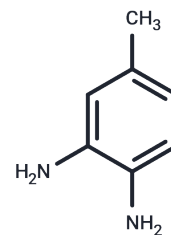


## 3,4-Diaminotoluene

## Chemical Properties

CAS No. :	496-72-0
Formula:	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub>
Molecular Weight:	122.17
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	3,4-Diaminotoluene, an aromatic amine derived from toluene, has been used in the synthesis of a variety of compounds such as polyurethanes, polyureas and polyamides, as well as in the synthesis of amino acids, peptides and proteins. It has also been used in the synthesis of various drugs such as antibiotics and antivirals.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 11 mg/mL (90.04 mM), 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	8.1853 mL	40.9266 mL	81.8532 mL
5 mM	1.6371 mL	8.1853 mL	16.3706 mL
10 mM	0.8185 mL	4.0927 mL	8.1853 mL
50 mM	0.1637 mL	0.8185 mL	1.6371 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

Mohammed, M, Rahman, et al. 3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCo xO y nanoparticles]]. Talanta the International Journal of Pure & Applied Analytical Chemistry, 2018.

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