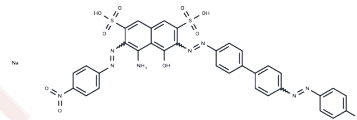


## Direct Green 6

### Chemical Properties

CAS No. :	4335-09-5
Formula:	C <sub>34</sub> H <sub>24</sub> N <sub>8</sub> NaO <sub>10</sub> S <sub>2</sub>
Molecular Weight:	791.72
Storage:	Keep away from direct sunlight 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	Direct Green 6 is a green dye.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2631 mL	6.3154 mL	12.6307 mL
5 mM	0.2526 mL	1.2631 mL	2.5261 mL
10 mM	0.1263 mL	0.6315 mL	1.2631 mL
50 mM	0.0253 mL	0.1263 mL	0.2526 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

Naraginti S, Thejaswini TV, Prabhakaran D, Sivakumar A, Satyanarayana VS, Arun Prasad AS. Enhanced photocatalytic activity of Sr and Ag co-doped TiO<sub>2</sub> nanoparticles for the degradation of Direct Green-6 and Reactive Blue-160 under UV & visible light. *Spectrochim Acta A Mol Biomol Spectrosc.* 2015 Oct 5;149:571-9. doi: 10.1016/j.saa.2015.04.101. Epub 2015 May 8. PubMed PMID: 25983059.

Mahmoodi NM, Arabloo M, Abdi J. Laccase immobilized manganese ferrite nanoparticle: synthesis and LSSVM intelligent modeling of decolorization. *Water Res.* 2014 Dec 15;67:216-26. doi: 10.1016/j.watres.2014.09.011. Epub 2014 Sep 21. PubMed PMID: 25282090.

Mahmoodi NM, Abdi J, Bastani D. Direct dyes removal using modified magnetic ferrite nanoparticle. *J Environ Health Sci Eng.* 2014 Jun 11;12:96. doi: 10.1186/2052-336X-12-96. eCollection 2014. PubMed PMID: 24991427; PubMed Central PMCID: PMC4077710.

Barot J, Bahadur A. Behavioural and histopathological effects of azodye on kidney and gills of *Labeo rohita* fingerlings. *J Environ Biol.* 2013 Mar;34(2):147-52. PubMed PMID: 24620571.

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