Product Data Sheet

Anazolene trisodium

Cat. No.: HY-B1533A **CAS No.:** 3861-73-2

Molecular Weight: 695.58

Target: Fluorescent Dye

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

BIOLOGICAL ACTIVITY

Description	Anazolene trisodium is an anionic dye, a textile azo dye with a maximum absorption wavelength of $\lambda_{max} = 571 \text{ nm}^{[1][2]}$.
In Vitro	Anazolene trisodium (AB92) (10 and 20 mg/L) can induce the formation of ROS in plants, and the effect on leaf SOD activity was not significant at 10 and 20 mg/L, while the effect on root SOD activity was highly significant at 20 mg/L, with a 29.3% increase in root SOD activity at 10 mg/L AB92 treatment ^[1] . Anazolene trisodium (AB92) (10 and 20 mg/L) can affect the relative growth rate of L. minor. by 68.8% and 73.7%, and
	reduces relative frond number by 40% and 56.7% at 10 and 20 mg/L, respectively, compared to the control ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Fatemeh Vafaei, et al. Evaluation of antioxidant enzymes activities and identification of intermediate products during phytoremediation of an anionic dye (C.I. Acid Blue 92) by pennywort (Hydrocotyle vulgaris). J Environ Sci (China). 2013 Nov 1;25(11):2214-22.

[2]. A R Khataee, et al. Phytoremediation potential of duckweed (Lemna minor L.) in degradation of C.I. Acid Blue 92: artificial neural network modeling. Ecotoxicol Environ Saf. 2012 Jun;80:291-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA