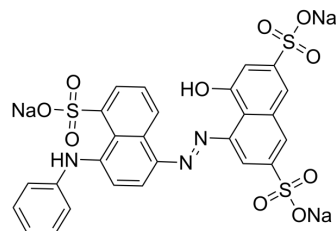


Anazolene trisodium

Cat. No.:	HY-B1533A
CAS No.:	3861-73-2
Molecular Formula:	C ₂₆ H ₁₆ N ₃ Na ₃ O ₁₀ S ₃
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	<p>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].</p> <p>Anazolene trisodium (AB92) (10 and 20 mg/L) can affect the relative growth rate of <i>L. minor</i>. 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].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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