



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



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Zellkultur & Verbrauchsmaterial



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Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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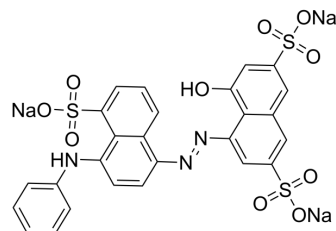
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## Anazolene trisodium

<b>Cat. No.:</b>	HY-B1533A
<b>CAS No.:</b>	3861-73-2
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>16</sub> N <sub>3</sub> Na <sub>3</sub> O <sub>10</sub> S <sub>3</sub>
<b>Molecular Weight:</b>	695.58
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Anazolene trisodium is an anionic dye, a textile azo dye with a maximum absorption wavelength of $\lambda_{\max} = 571 \text{ nm}$ <sup>[1][2]</sup> .
<b>In Vitro</b>	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 <sup>[1]</sup> . 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 <sup>[2]</sup> . 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.**

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