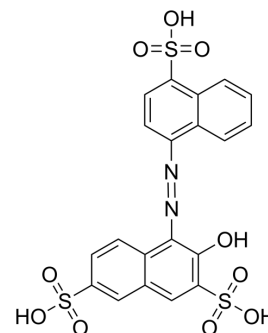


## Amaranth free acid

Cat. No.:	HY-D0307
CAS No.:	642-59-1
Molecular Formula:	C <sub>20</sub> H <sub>14</sub> N <sub>2</sub> O <sub>10</sub> S <sub>3</sub>
Molecular Weight:	538.53
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Amaranth free acid (Acid Red 27 free acid; Azorubin S free acid; FD & C Red Dye No. 2 free acid) is a multifunctional dye. Dyes are important tools in biological experiments. They can help researchers observe and analyze cell structures, track biomolecules, evaluate cell functions, distinguish cell types, detect biomolecules, study tissue pathology and monitor microorganisms. Their applications range from basic scientific research to clinical A wide range of diagnostics. Dyes are also widely used in traditional fields such as textile dyeing, as well as in emerging fields such as functional textile processing, food pigments and dye-sensitized solar cells.

### REFERENCES

[1]. Sultana M, et al. A review on experimental chemically modified activated carbon to enhance dye and heavy metals adsorption[J]. Cleaner engineering and technology, 2022, 6: 100382.

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

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