

Product Name:	Alizarin
Product Number:	A094
CAS Number:	72-48-0
Molecular Formula:	C ₁₄ H ₈ O ₄
Molecular Weight:	240.21
Solubility:	1mg/mL: 1N NH ₄ OH
Source:	Synthetic
Elemental Analysis:	Carbon: 67.6 - 72.5%
Description:	Alizarin (1,2-dihydroxyanthraquinone) is a red dye with mild antibacterial activity. Alizarin has been found to inhibit biofilm formation by three <i>Staphylococcus aureus</i> strains and a <i>Staphylococcus epidermidis</i> strain.
Mechanism of Action:	Alizarin has moderate antibacterial activity against <i>Staphylococcus epidermidis</i> and <i>Salmonella enterica</i> .
References:	<p>Park, Jun-Hwan, and Hoi-Seon Lee. "Antimicrobial Activities of 1,2-dihydroxyanthraquinone Derivatives against Food-borne Bacteria." J Korean Soc Appl Biol Chem Journal of the Korean Society for Applied Biological Chemistry 58.1 (2015): 121-25. Web.</p> <p>Lee, Jin-Hyung. "Calcium-chelating Alizarin and Other Anthraquinones Inhibit Biofilm Formation and the Hemolytic Activity of <i>Staphylococcus Aureus</i>." <i>Scientific Reports</i> 19267 (2015): n. pag. Web.</p>