



Eosin Yellow Sodium Salt

Biological Stain, wastewater treatment

Eosin Yellow Sodium Salt, commonly known as Eosin Y, is used in environmental and microbiological research. It is essential to staining techniques as a biological stain, helping to identify and make microorganisms visible under a microscope.

To examine and analyze the morphology and structure of microorganisms, scientists relied on this staining capability in their microbiological research.

The ability to form a distinct complex with copper ions allows for the detection and quantification of copper levels in a range of environmental samples.

Furthermore, Eosin Y works well as a wastewater treatment agent when paired with benzalkonium chloride. This mixture supports environmental cleanup initiatives by assisting in the removal of pollutants and pathogens from wastewater and enhancing water quality.

Cat. Number	ASC-1007
CAS Number	17372-87-1
MDL Number	MFCD00005040
Color Index	45380
PubChem	310272570
Molecular Weight	691.86 gr/mol
Molecular Formula	C ₂₀ H ₆ Br ₄ Na ₂ O ₅
Storage Temperature	20 °C
Form and Color	Powder / Dark red to brown
Solution Appearance (1 % in water)	Clear, Dark red
Absorption Ratio (λ max \pm 15nm)	1.25 – 1.75
Purity	\geq 95 %
Wavelength of Maximum Absorption	515 - 518 nm
Loss on Drying	\leq 8 %