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DATASHEET

Eosin Y

Product overview

Name Eosin Y Cat No HB0758

Biological description Eosin Y is a xanthene dye which stains the cytoplasm and connective tissue. It is suitable for

counterstaining tissue after nuclear staining. It is a component of the H&E stain (Hematoxylin and eosin

stain) which is one of the most commonly utilised histological tissue stains.

Biological action Dyes & stains

Purity >90%

Counterstain used in the H&E stain Description

Images



Solubility & Handling

Storage instructions +4°C

Solubility overview Soluble in water (100 mM)

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Stable for ambient temperature shipping. Follow storage instructions on receipt. **Shipping Conditions** Important

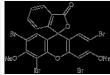
This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name Molecular Weight **Chemical structure** 2',4',5',7'-Tetrabromofluorescein

691.85



Molecular Formula **CAS Number PubChem identifier SMILES**

C₂₀H₆Br₄O₅.2Na 17372-87-1 11048

Na+1

InChiKey MDL number Appearance SEACYXSIPDVVMV-UHFFFAOYSA-L MFCD00005040

Red solid

References

Eosin Y-sensitized artificial photosynthesis by highly efficient visible-light-driven regeneration of nicotinamide cofactor.

Lee SH *et al* (2009) Chembiochem 10(10) **PubMedID** 19551795

Synthetic applications of eosin Y in photoredox catalysis.

Hari DP *et al* (2014) Chem Commun (Camb) 50(51) **PubMedID** 24699920

The role of energy transfer in bioluminescence quenching by xanthene dyes.

Gerasimova MA et al (2009) J Photochem Photobiol B 97(3)

PubMedID 19864157