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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%
Description	Counterstain used in the H&E stain

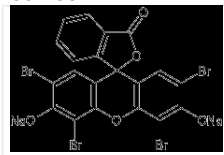
Images



Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in water (100 mM)
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	2',4',5',7'-Tetrabromofluorescein
Molecular Weight	691.85
Chemical structure	
Molecular Formula	C ₂₀ H ₆ Br ₄ O ₅ .2Na
CAS Number	17372-87-1
PubChem identifier	11048
SMILES	<chem>C1=CC=C(C(=C1)C2=C3C=C(C(=O)C(=C3OC4=C(C(=C(C=C24)Br)[O-])Br)Br)C(=O)[O-].[Na+].[Na+]</chem>
InChiKey	SEACYXSIPDVVMV-UHFFFAOYSA-L
MDL number	MFC00005040
Appearance	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](#)
