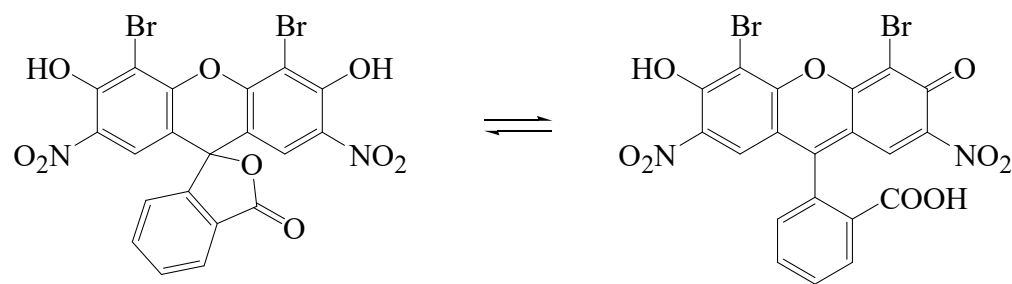




>>Entry Name: Eosin B

Synonym(s): 4',5'-Dibromo-3',6'-dihydroxy-2',7'-dinitrospiro[isobenzofuran-1(3*H*),9'-[9*H*]xanthen]-3-one, 9Cl. 4',5'-Dibromo-2',7'-dinitrofluorescein, 8Cl. C.I. Acid red 91. C.I. 45400



CAS Registry Number: 56360-46-4

Molecular Formula: C₂₀H₈Br₂N₂O₉

Molecular Weight: 580.099

Accurate Mass: 577.899655

Percentage Composition: C 41.41%; H 1.39%; Br 27.55%; N 4.83%; O 24.82%

General Statement: Strictly, the name Eosin B applies to the disodium salt

Use/Importance: Red dye. Used as a biological stain and for estimating protein

Physical Description: Cryst. (Me₂CO or Me₂CO/AcOH)

Other Data: Mp >310°

Aldrich: 21295-4

Sigma: E6880

>>Derivative: Di-Na salt

CAS Registry Number: 548-24-3

Physical Description: Cryst.

Aldrich: 19849-8

Rare Chemicals Library: S57052-4

Sigma: E2629

References:

Hewitt, J.T. *et al.*, *J.C.S.*, 1902, **81**, 893-900, (*synth*)

Colour Index, 3rd edn., 1971, **4**, 4427, (*synth*)

Waheed, A.A. *et al.*, *Anal. Biochem.*, 1996, **233**, 249-252, (*use*)