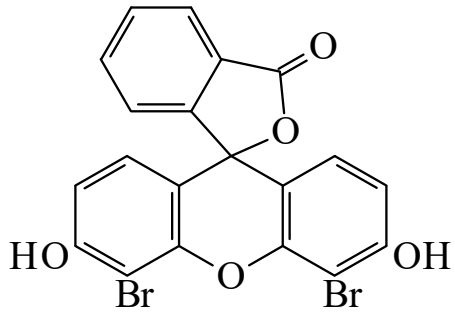
>>**Entry Name: 4',5'-Dibromofluorescein**

Synonym(s): 4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(13*H*),9'-[9*H*]xanthen]-3-one, 9Cl. C.I. Acid orange 11. C.I. 45370. D & C Orange No. 6. C.I. Solvent red 72



CAS Registry Number: 596-03-2

Molecular Formula: $C_{20}H_{10}Br_2O_5$
Molecular Weight: 490.104
Accurate Mass: 487.929497
Percentage Composition: C 49.01%; H 2.06%; Br 32.61%; O 16.32%

Aldrich: 21672-0
Fluka: 34175
Sigma: D3017

>>**Derivative:** Di-Na salt

CAS Registry Number: 56136-34-6
Extra CAS Registry Numbers(s): 4372-02-5

Use/Importance: Used as a 1m*M* soln. in EtOH as adsorption indicator for titrimetric detn. of $Br^{(-)}$, $I^{(-)}$
Physical Description: Red cryst. (EtOH)
Melting Point: Mp 285°
Solubility: Sol. EtOH, Me_2CO, alkalis

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1011A, *(ir)*
Sigma-Aldrich Library of Stains, Dyes and Indicators, 249
Bishop, E.*, Indicators*, Pergamon, Oxford, 1972, 440
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, DDO200