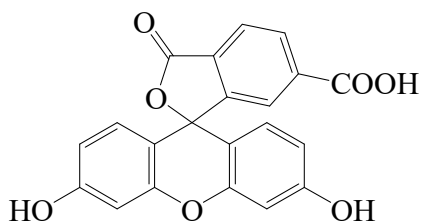




>>Entry Name: 3',6'-Dihydroxy-3-oxospiro[isobenzofuran-1(3*H*),9'-[9*H*]xanthene]-6-carboxylic acid, 9Cl
Synonym(s): 3',6'-Dihydroxy-3-oxospiro[phthalan-1,9'-xanthene]-6-carboxylic acid, 8Cl. 5'-Carboxyfluorescein



CAS Registry Number: 3301-79-9

Extra CAS Registry Numbers(s): 72088-94-9

Molecular Formula: C₂₁H₁₂O₇

Molecular Weight: 376.322

Accurate Mass: 376.058305

Percentage Composition: C 67.03%; H 3.21%; O 29.76%

General Statement: Commercial product is usually a mixt. of 5- and 6-carboxy isomers

Use/Importance: Fluorescent marker for study of liposomes

Physical Description: Yellow solid or orange powder

Melting Point: Mp 275° (dec.)

Other Data: Mp >360°

>>Derivative: Di-Ac

Molecular Formula: C₂₅H₁₆O₉

Molecular Weight: 460.396

Accurate Mass: 460.079435

Percentage Composition: C 65.22%; H 3.50%; O 31.28%

Physical Description: Yellow cryst. (EtOH aq.)

Melting Point: Mp 152-153°

References:

Drechsler, G. *et al.*, *J. Prakt. Chem.*, 1965, **28**, 315-324, (*synth*)

Ralston, E. *et al.*, *Biochim. Biophys. Acta*, 1981, **649**, 133-137, (*purifn, uv*)

Chen, C.S. *et al.*, *J. Biol. Chem.*, 1993, **268**, 15812-15822, (*synth*)