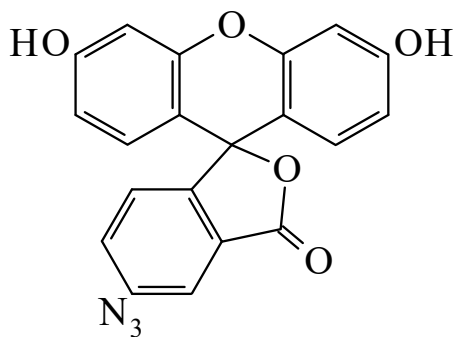




>>Entry Name: Azidofluorescein

Synonym(s): 5-Azido-3',6'-dihydroxyspiro[isobenzofuran-1(3*H*),9'-[9*H*]xanthen]-3-one



Molecular Formula: C₂₀H₁₁N₃O₅

Molecular Weight: 373.324

Accurate Mass: 373.069872

Percentage Composition: C 64.35%; H 2.97%; N 11.26%; O 21.43%

>>Derivative: Di-Ac

Synonym(s): 3',6'-Bis(acetyloxy)-5-azidospiro[isobenzofuran-1(3*H*), 9'-[9*H*]xanthen]-3-one, 9Cl. Azidofluorescein diacetate. Azido-FDA

CAS Registry Number: 77162-07-3

Molecular Formula: C₂₄H₁₅N₃O₇

Molecular Weight: 457.398

Accurate Mass: 457.091002

Percentage Composition: C 63.02%; H 3.31%; N 9.19%; O 24.49%

Use/Importance: Fluorescent intracellular fluid pH indicator

Physical Description: Orange-red solid

Fluka: 11547

Sigma: A4511

References:

Rotman, A. *et al.*, *Biochemistry*, 1981, **20**, 5995, (*synth, use*)

Rotman, A. *et al.*, *Biochim. Biophys. Acta*, 1982, **720**, 75, (*use*)