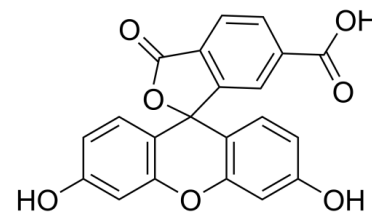


Data Sheet

Product Name:	6-FAM
Cat. No.:	CS-3060
CAS No.:	3301-79-9
Molecular Formula:	C ₂₁ H ₁₂ O ₇
Molecular Weight:	376.32
Target:	Fluorescent Dye
Pathway:	Others
Solubility:	DMSO : ≥ 40 mg/mL (106.29 mM)



BIOLOGICAL ACTIVITY:

6-FAM (6-Carboxyfluorescein) contains a carboxylic acid that can be used to react with primary amines via carbodiimide activation of the carboxylic acid. Fluorescein is the most common fluorescent derivatization reagent for labeling biomolecules. In addition to its relatively high absorptivity, excellent fluorescence quantum yield, and good water solubility, fluorescein has an excitation maximum that closely matches the 488 nm spectral line of the argon-ion laser.

CAIndexNames:

3',6'-dihydroxy-3-oxo-3H-spiro[isobenzofuran-1,9'-xanthene]-6-carboxylic acid

SMILES:

O=C1OC2(C3=C(OC4=C2C=CC(O)=C4)C=C(O)C=C3)C5=CC(C(O)=O)=C5

Caution: Product has not been fully validated for medical applications. For research use only.

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