5-FAM (5-Carboxyfluorescein), Amine-reactive fluorescent label ab145293

Overview

Product name 5-FAM (5-Carboxyfluorescein), Amine-reactive fluorescent label
Description Amine-reactive fluorescent label
Biological description Amine-reactive fluorescent label. 6-FAM (ab145294) isomer. Polar tracer. Covalently labels peptides and proteins. 5-CFDA N-succinimidyl ester (ab145292) and 5-CFDA (ab145256) hydrolytic product.
Purity > 99%
CAS Number 76823-03-5
Chemical structure

Properties

Excitation 495nm
Emission 520nm
Chemical name 3',6'-Dihydroxy-3-oxospiro[2-benzofuran-1,9'-xanthene]-5-carboxylic acid
Molecular weight 376.32
Molecular formula C_{21}H_{12}O_{7}
PubChem identifier 123755
Storage instructions Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview Soluble in water and in DMSO
Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions

Product datasheet
SMILES
C1=CC2=C(C=C1(C(=O)O)C(=O)OC23C4=C(C=C(C=C4)O)OC5=C3C=CC(=C5)O

Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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