

Product Information

5-Fluorescein isothiocyanate isomer I

Cat. No.: X24-11-LY282

Size: 500 mg; 1 g; 2.5 g; 5 g; 10 g

MDL: MFCD00005063

CAS Number: 3326-32-7

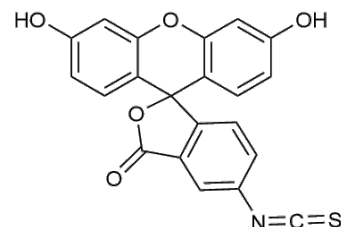
Compound CID: 18730

Synonym: 3326-32-7; 5 Isothiocyanatofluorescein; 5-Isothiocyanatofluorescein; FITC;

Fluorescein (5 or 6)-Isothiocyanate; Fluorescein 5 isothiocyanate;

Fluorescein-5-isothiocyanate; Fluorescein-5-isothiocyanate hydrochloride

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	5-Fluorescein isothiocyanate isomer I is a fluorescein substrate with strong fluorescence, by labeling proteins and other biomolecules by reaction with amino acids.
Molecular Weight	389.38
Molecular Formula	C ₂₁ H ₁₁ NO ₅ S
IUPAC Name	3',6'-Dihydroxy-6-isothiocyanatospiro[2-benzofuran-3,9'-xanthene]-1-one
InChI	InChI=1S/C21H11NO5S/c23-12-2-5-16-18(8-12)26-19-9-13(24)3-6-17(19)21(16)15-4-1-11(22-10-28)7-14(15)20(25)27-21/h1-9,23-24H
InChI Key	MHMNJMPURVTYEJ-UHFFFAOYSA-N
SMILES string	C1=CC2=C(C=C1N=C=S)C(=O)OC23C4=C(C=C(C=C4)O)OC5=C3C=CC(=C5)O
Form	Powder
Purity	≥95%, determined by HPLC.
Identity	Confirmed by NMR.
Applications	5-Fluorescein isothiocyanate isomer I is widely used in biomedical research, such as immunofluorescent staining, cell tracking, and protein labeling.
Storage	Store at -20°C.