

FITC biochemical

FITC

CATALOG #
AAA210702

PRODUCT SYNONYMS

FITC; Fluorescein 5-isothiocyanate; FITC biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98%
Solubility	DMSO
Formula	C ₂₁ H ₁₁ NO ₅ S
SMILES	O=C1OC2(C3=C(OC4=C2C=CC(O)=C4)C=C(O)C=C3)C5=C1C=C(N=C=S)C=C5
CAS Number	3326-32-7
Biological Activity	FITC is a derivative of fluorescein for the labeling of amines.
Preparation and Storage	Store at -20 degree C for 3 years (powder form); at -20 degree C for 6 months (Solution base)

IMAGES

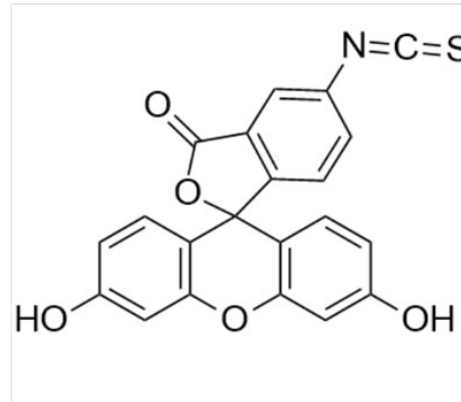
Preparing Stock Solutions

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
0.1 mM	25.68 mL	128.41 mL	256.82 mL
0.5 mM	5.14 mL	25.68 mL	51.36 mL
1 mM	2.57 mL	12.84 mL	25.68 mL
5 mM	0.51 mL	2.57 mL	5.14 mL

*The above data is based on the product molecular weight 389.38. Batch specific molecular weights may vary from batch to batch due to solvent of hydration, which will affect the solvent volumes required to prepare stock solutions.

Application Data

Preparing Stock Solutions



Application Data

ADDITIONAL INFORMATION

Related Product Information for FITC biochemical

FITC is a derivative of fluorescein for the labeling of amines.

NCBI AND UNIPROT INFORMATION

Molecular Weight

389.38

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

