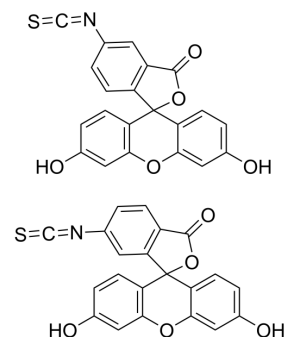


5(6)-FITC

Cat. No.:	HY-15941
CAS No.:	27072-45-3
Molecular Formula:	C ₂₁ H ₁₁ NO ₅ S
Molecular Weight:	389.38
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 156 mg/mL (400.64 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5682 mL	12.8409 mL	25.6819 mL
	5 mM	0.5136 mL	2.5682 mL	5.1364 mL
	10 mM	0.2568 mL	1.2841 mL	2.5682 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (5.34 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5(6)-FITC (Fluorescein 5(6)-isothiocyanate) is an amine-reactive derivative of fluorescein dye that has wide-ranging applications as a label for antibodies and other probes, for use in fluorescence microscopy, flow cytometry and immunofluorescence-based assays such as Western blotting and ELISA.

CUSTOMER VALIDATION

- Cell Prolif. 2020 Jan;53(1):e12721.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Goding JW. Conjugation of antibodies with fluorochromes: modifications to the standard methods. J Immunol Methods. 1976;13(3-4):215-26.
- [2]. Der-Balian GP, et al. Fluorescein labeling of Fab' while preserving single thiol. Anal Biochem. 1988 Aug 15;173(1):59-63.
- [3]. Smith LM, et al. Fluorescence detection in automated DNA sequence analysis. Nature. 1986 Jun 12-18;321(6071):674-9.
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Caution: Product has not been fully validated for medical applications. For research use only.

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