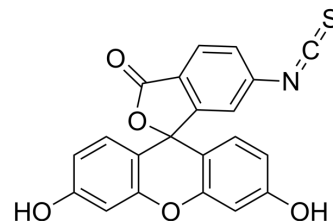


Fluorescein-6-isothiocyanate

| | |
|--------------------|--|
| Cat. No.: | HY-136957 |
| CAS No.: | 18861-78-4 |
| 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 : 250 mg/mL (642.05 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass | | |
| | Preparing Stock Solutions | | 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 | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.34 mM); Clear solution | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.34 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|---------------------------|---|
| Description | Fluorescein-6-isothiocyanate is a fluorescent isomeric haptenic probes with K _d s of 8.74, 2.72 and 1.88 for N-Acetyl-L-Lysine, normal mouse IgG and 4-4-20, respectively ^[1] . |
| IC ₅₀ & Target | K _d : 8.74 (N-Acetyl-L-Lysine), 2.72 (normal mouse IgG), 1.88 (4-4-20) ^[1] |

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA