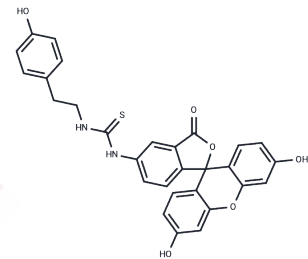


5-FITC tyramide

Chemical Properties

CAS No. :	1396969-23-5
Formula:	C ₂₉ H ₂₂ N ₂ O ₆ S
Molecular Weight:	526.56
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	5-FITC tyramide is a green fluorescent dye composed of FITC and tyramine, with excitation at 488 nm and emission at 525 nm. It serves as a fluorescent substrate for horseradish peroxidase (HRP)-catalyzed deposition, useful in tyramide signal amplification (TSA). 5-FITC tyramide is applicable in multiplex immunohistochemistry (mIHC) experiments.
Targets(IC50)	Others
In vitro	<p>5-FITC tyramide detection involves several key steps: 1) Inject 4 µL of WGA-HRP tracer into the rat ganglion, then collect specific tissues for sectioning. 2) Air-dry the sections for 60 minutes. 3) Rehydrate the sections in TNT buffer [0.1 M Tris-HCl, 0.15 M NaCl, 0.05% Tween 20, pH 7.5], followed by quenching in freshly prepared NaBH₄ [0.5 mg/mL] in TN buffer [0.1 M Tris-HCl, 0.15 M NaCl, pH 7.5] for 15 minutes. 4) Wash with TNT and permeabilize with TN buffer containing 0.1% Triton X-100 for 15 minutes. 5) Incubate in TNT buffer with 2% BSA (TNT-BSA) for 60 minutes, then wash with TNT and incubate with 5-FITC tyramide [diluted 1:50 in an amplification buffer] for 15 minutes. 6) Wash with TNT, incubate with primary antibody overnight at 4°C, then add donkey anti-rabbit IgG conjugated with Lissamine rhodamine (LRSC) or Cy3 [diluted 1:200 in TNT-BSA] and donkey anti-goat conjugated Cy5 [diluted 1:200 in TNT-BSA]. 7) Finally, perform fluorescence microscopy detection. Note: The optimal concentration of 5-FITC tyramide working solution should be determined based on actual conditions.</p> <p>The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8991 mL	9.4956 mL	18.9912 mL
5 mM	0.3798 mL	1.8991 mL	3.7982 mL
10 mM	0.1899 mL	0.9496 mL	1.8991 mL
50 mM	0.038 mL	0.1899 mL	0.3798 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481