

Biotin-PEG-Thiol (MW 2000)

Chemical Properties

CAS No. :

Formula: C₁₃H₂₃N₃O₂S₂(C₂H₄O)_n

Molecular Weight:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

| | |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Biotin-PEG-Thiol (MW 2000) is a compound composed of biotin, polyethylene glycol and thiol, an active polymer that can be used to study nanomaterials. |
| Targets(IC50) | Others |
| In vitro | <p>Biotin-PEG-Thiol (MW 2000) as a functionalized ligand experiment</p> <ol style="list-style-type: none">In Tris buffer (10 mM, pH 8.5), the substrate coated with poly(Tyr-CB) membrane was immersed in an aqueous solution of biotin-polyethylene glycol-thiol (1 mM) to immobilize biotin under mild alkaline conditions.After immersion at room temperature for 24 h, the biotin-functionalized substrate was rinsed with PBS and placed in a fresh PBS solution. <p>The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.</p> |

Solubility Information

| | |
|------------|----------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 100 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------------------------------------|

Reference

Bisht H, et al. Fabrication of Versatile Antifouling Coatings Inspired by Melanogenesis Using a Tyrosine-Conjugated Carboxybetaine Derivative. Langmuir. 2025 Jan 28;41(3):2082-2088.

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