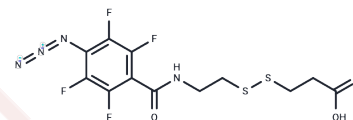


4-Azide-TFP-amide-SS-propionic acid

Chemical Properties

CAS No. : 191163-45-8
 Formula: C₁₂H₁₀F₄N₄O₃S₂
 Molecular Weight: 398.356
 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	4-Azide-TFP-amide-SS-propionic acid contains an aryl azide, a cleavable disulfide bond, and a carboxylic acid. The aryl azide can be photoactivated by ultraviolet light (250 to 350 nm) to bind with biomolecules. Fluorine helps stabilize radical intermediates. The carboxylic acid can react with amines in the presence of an activating agent to form an amide bond. The disulfide bond can be cleaved by a reducing agent.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5103 mL	12.5515 mL	25.1029 mL
5 mM	0.5021 mL	2.5103 mL	5.0206 mL
10 mM	0.251 mL	1.2551 mL	2.5103 mL
50 mM	0.0502 mL	0.251 mL	0.5021 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.

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