

DAz-1

Chemical Properties

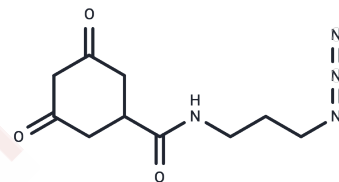
CAS No. : 1112977-84-0

Formula: C₁₀H₁₄N₄O₃

Molecular Weight: 238.24

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	DAz-1 is a cell-permeable sulfonic acid probe that directly detects sulfonic acid-modified proteins in living cells [1].
Targets(IC50)	Others
In vitro	Detection methods for DAz-1 sulfonic acid under various conditions [1]: Prepare a 10 μM protein solution, 50 μg of cell lysate, or 200 μg of protein lysate. Add 50 or 100 μM H ₂ O ₂ and incubate at room temperature for 20 minutes; then, introduce 1 mM Daz-1 or 5% (v/v) DMSO, continuing the reaction at room temperature for 15 minutes. Quench the reaction using 5 mM DTT, and remove excess reagents via gel filtration. Separate proteins using 4-12% SDS-PAGE, transfer them to a PVDF membrane, and detect with HRP-Streptavidin WB.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1974 mL	20.9872 mL	41.9745 mL
5 mM	0.8395 mL	4.1974 mL	8.3949 mL
10 mM	0.4197 mL	2.0987 mL	4.1974 mL
50 mM	0.0839 mL	0.4197 mL	0.8395 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

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