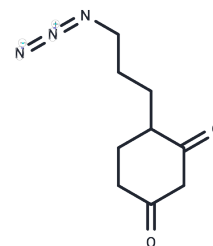


## DAz-2

## Chemical Properties

CAS No. :	1176905-54-6
Formula:	C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	195.22
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-2 is a cell-permeable sulfonic acid probe that can directly detect sulfonic acid-modified proteins in living cells [1].
Targets(IC50)	Others
In vitro	DAz-2 is utilized for detecting sulfonic acids under various conditions [1]: 1. Prepare 10 μM protein, 50 μg cellular lysate, or 200 μg protein lysate. 2. Add 50 or 100 μM H <sub>2</sub> O <sub>2</sub> and incubate at room temperature for 20 minutes; then add 1 mM Daz-2 or 5% (v/v) DMSO, and react at room temperature for 15 minutes. 3. Quench the reaction with 5 mM DTT and remove excess reagents via gel filtration. 4. Separate proteins using 4-12% SDS-PAGE, transfer to a PVDF membrane, and detect using HRP-Streptavidin Western Blotting.  The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1224 mL	25.6121 mL	51.2243 mL
5 mM	1.0245 mL	5.1224 mL	10.2449 mL
10 mM	0.5122 mL	2.5612 mL	5.1224 mL
50 mM	0.1024 mL	0.5122 mL	1.0245 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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