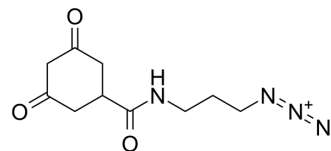


DAz-1

Cat. No.:	HY-115402
CAS No.:	1112977-84-0
Molecular Formula:	C ₁₀ H ₁₄ N ₄ O ₃
Molecular Weight:	238.24
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DAz-1 is a sulfonic acid probe for living cells, which can directly detect sulfonic acid-modified proteins in living cells and is cell-permeable ^[1] .
In Vitro	DAz-1 sulfonic acid detection methods under different situations ^[1] <ol style="list-style-type: none">1. Prepare 10 μM protein, or 50 μg cell lysate, or 200 μg protein lysate.2. React with 50 or 100 μM H₂O₂ at room temperature for 20 minutes; then add 1 mM DAz-1 or 5% (v/v) DMSO and react at room temperature for 15 minutes.3. Quench the reaction with 5 mM DTT and remove excess reagent with gel filtration.4. Use 4-12% SDS-PAGE to separate proteins, transfer to PVDF membrane, and detect by WB of HRP-Streptavidin. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Leonard SE, et al. Mining the thiol proteome for sulfenic acid modifications reveals new targets for oxidation in cells. ACS Chem Biol. 2009 Sep 18;4(9):783-99.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA