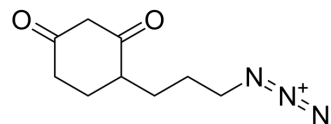


DAz-2

Cat. No.:	HY-132278
CAS No.:	1176905-54-6
Molecular Formula:	C ₉ H ₁₃ N ₃ O ₂
Molecular Weight:	195.22
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DAz-2 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	<p>DAz-2 sulfonic acid detection methods under different situations^[1]</p> <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-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 reagent with gel filtration. 4. Use 4-12% SDS-PAGE to separate proteins, transfer to PVDF membrane, and detect by WB of HRP-Streptavidin. <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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.

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