

4-oxo-2-Nonenal Alkyne

Chemical Properties

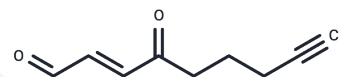
CAS No. : 1680193-58-1

Formula: C₉H₁₀O₂

Molecular Weight: 150.177

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-Oxo-2-nonenal (4-ONE) is a lipid peroxidation product that actively modifies histidine and lysine residues in proteins, leading to protein cross-linking, and alters 2'-deoxyguanosine, indicating its role in mutagenesis and carcinogenesis. 4-ONE alkyne, an alkyne-tagged electrophile, serves as a probe for isolating and identifying lipid peroxidation reaction products through click chemistry.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6587 mL	33.2934 mL	66.5868 mL
5 mM	1.3317 mL	6.6587 mL	13.3174 mL
10 mM	0.6659 mL	3.3293 mL	6.6587 mL
50 mM	0.1332 mL	0.6659 mL	1.3317 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481