

ARP

Chemical Properties

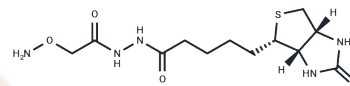
CAS No. : 139585-03-8

Formula: C₁₂H₂₁N₅O₄S

Molecular Weight: 331.39

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

ARP (Aldehyde reactive probe) is a chemical compound that serves as an aldehyde-reactive probe by specifically tagging AP sites in DNA with biotin residues. It is used to detect abasic sites, which are common forms of DNA damage and intermediates in mutagenesis and carcinogenesis. ARP is highly sensitive, capable of detecting abasic sites at the femtomolar level (fewer than 1 site per 10⁴ nucleotides).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0176 mL	15.088 mL	30.1759 mL
5 mM	0.6035 mL	3.0176 mL	6.0352 mL
10 mM	0.3018 mL	1.5088 mL	3.0176 mL
50 mM	0.0604 mL	0.3018 mL	0.6035 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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