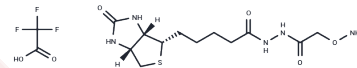


Aldehyde Reactive Probe TFA

Chemical Properties

CAS No. :	627090-10-2
Formula:	C ₁₄ H ₂₂ F ₃ N ₅ O ₆ S
Molecular Weight:	445.42
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Aldehyde Reactive Probe TFA (ARP TFA) is an aldehyde-reactive probe used to detect the level of abasic sites in plant mRNA.
Targets(IC50)	Others
In vitro	METHODS: Aldehyde Reactive Probe (trifluoroacetate salt) (0-10 mM) was used to study its tendency to react with alkali-free RNA at different times and different temperatures. RESULTS: The reactivity increased moderately with increasing temperature. The same was true for total RNA. [2]

Solubility Information

Solubility	DMSO: 5 mg/mL (11.23 mM), Sonication is recommended. DMF: 10 mg/mL (22.45 mM), Sonication is recommended. PBS (pH 7.2): 1 mg/mL (2.25 mM), Sonication is recommended. PBS (pH 7.2): 1 mg/mL (2.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2451 mL	11.2254 mL	22.4507 mL
5 mM	0.449 mL	2.2451 mL	4.4901 mL
10 mM	0.2245 mL	1.1225 mL	2.2451 mL
50 mM	0.0449 mL	0.2245 mL	0.449 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.

Reference

Bennett SE, et al. Characterization of the aldehyde reactive probe reaction with AP-sites in DNA: influence of AP-lyase on adduct stability. Nucleosides Nucleotides Nucleic Acids. 2006;25(7):823-42.

Tanaka M, et al. An assay for RNA oxidation induced abasic sites using the Aldehyde Reactive Probe. Free Radic Res. 2011 Feb;45(2):237-47.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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