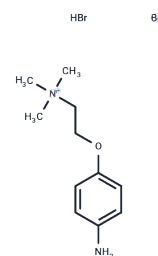


4-APC hydrobromide

Chemical Properties

CAS No. :	1076196-38-7
Formula:	C ₁₁ H ₂₀ Br ₂ N ₂ O
Molecular Weight:	356.1
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-APC hydrobromide is a potent and specific aldehyde derivatization agent. It contains an aniline moiety that enables rapid and selective reaction with aliphatic aldehydes, as well as a quaternary ammonium group that enhances sensitivity in mass spectrometry (MS) analysis. By utilizing 4-APC hydrobromide, aldehydes can be detected with exceptional sensitivity and selectivity using MS.
Targets(IC50)	Others
In vitro	4-APC hydrobromide detects aldehydes at low-nanomolar concentrations[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8082 mL	14.041 mL	28.082 mL
5 mM	0.5616 mL	2.8082 mL	5.6164 mL
10 mM	0.2808 mL	1.4041 mL	2.8082 mL
50 mM	0.0562 mL	0.2808 mL	0.5616 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

Eggink M, et, al. Development of a selective ESI-MS derivatization reagent: synthesis and optimization for the analysis of aldehydes in biological mixtures. Anal Chem. 2008 Dec 1;80(23):9042-51.

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