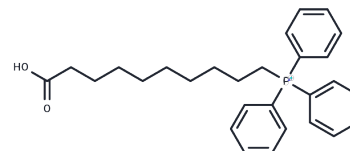


AP219

Chemical Properties

CAS No. : 779282-36-9
Formula: C₂₈H₃₄O₂P
Molecular Weight: 433.551
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	AP39 is a compound used to increase the levels of hydrogen sulfide (H ₂ S) within mitochondria. It consists of a mitochondria-targeting motif (triphenylphosphonium) coupled to an H ₂ S-donating moiety (dithiolethione) by an aliphatic linker. AP219 is a control compound for AP39, containing the triphenylphosphonium scaffold but lacking the H ₂ S-releasing portion.
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Solubility Information

Solubility	Ethanol: 15 mg/mL DMF: 10 mg/mL PBS (pH 7.2): 1 mg/mL DMSO: 20 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3065 mL	11.5327 mL	23.0654 mL
5 mM	0.4613 mL	2.3065 mL	4.6131 mL
10 mM	0.2307 mL	1.1533 mL	2.3065 mL
50 mM	0.0461 mL	0.2307 mL	0.4613 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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