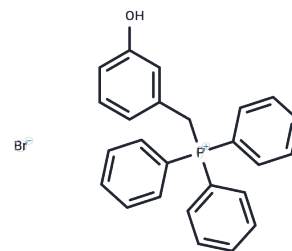


MitoP

Chemical Properties

CAS No. :	74597-01-6
Formula:	C ₂₅ H ₂₂ BrOP
Molecular Weight:	449.32
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	MitoP is a phenol product produced by the reaction of H ₂ O ₂ with the ratiometric mass spectrometry probe MitoB . MitoB contains a triphenylphosphonium cation component that drives its accumulation in mitochondria where its arylboronic moiety selectively reacts with H ₂ O ₂ to produce MitoP. Quantifying the MitoP/MitoB ratio by LC-MS/MS reflects the mitochondrial matrix H ₂ O ₂ concentration.
Targets(IC50)	Others,Reactive Oxygen Species

Solubility Information

Solubility	DMSO:PBS (pH 7.2) (1:1): 0.5 mg/mL (1.11 mM),Sonication is recommended. Ethanol: 12 mg/mL (26.71 mM),Sonication is recommended. DMSO: 20 mg/mL (44.51 mM),Sonication is recommended. DMF: 20 mg/mL (44.51 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	2.2256 mL	11.1279 mL	22.2559 mL
5 mM	0.4451 mL	2.2256 mL	4.4512 mL
10 mM	0.2226 mL	1.1128 mL	2.2256 mL
50 mM	0.0445 mL	0.2226 mL	0.4451 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

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

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