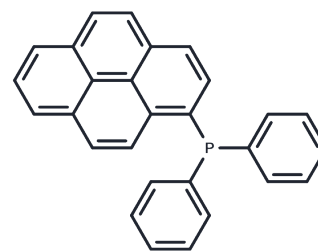


DPPP

Chemical Properties

CAS No. :	110231-30-6
Formula:	C ₂₈ H ₁₉ P
Molecular Weight:	386.42
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	DPPP is a probe that reacts stoichiometrically with hydroperoxides to yield the fluorescent molecule diphenyl-1-pyrenylphosphine oxide (DPPP-O). Plasma levels of lipid hydroperoxides of phosphatidylcholine, phosphatidylethanolamine, triglycerides, and cholesteryl esters have been measured by HPLC with a post column detection system using DPPP. DPPP has also been used as a fluorescent probe for the detection of low density lipoprotein and cellular oxidation. Fluorescence of DPPP-O can be monitor using excitation and emission wavelengths of 351 nm and 380 nm, respectively.
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Solubility Information

Solubility	Methylene Chloride: 1 mg/mL DMF: 10 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	2.5879 mL	12.9393 mL	25.8786 mL
5 mM	0.5176 mL	2.5879 mL	5.1757 mL
10 mM	0.2588 mL	1.2939 mL	2.5879 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 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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