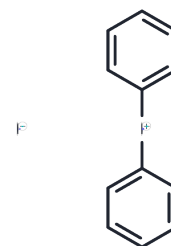


Diphenyliodonium iodide

Chemical Properties

CAS No. :	2217-79-0
Formula:	C12H10I2
Molecular Weight:	408.02
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Diphenyliodonium iodide is an inhibitor of reactive oxygen species (ROS) generation. It prevents the accumulation of bis-demethoxycurcumin in fresh-cut yam by inhibiting the phenylpropanoid pathway and the biosynthesis of bis-demethoxycurcumin, thereby preventing browning. Diphenyliodonium iodide finds applications in medicine and fruit preservation.
Targets(IC50)	ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4509 mL	12.2543 mL	24.5086 mL
5 mM	0.4902 mL	2.4509 mL	4.9017 mL
10 mM	0.2451 mL	1.2254 mL	2.4509 mL
50 mM	0.049 mL	0.2451 mL	0.4902 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

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