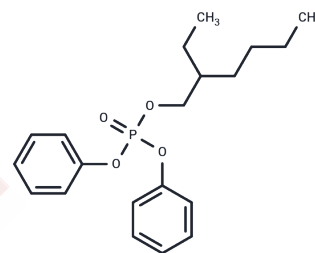


2-Ethylhexyl diphenyl phosphate

Chemical Properties

CAS No. :	1241-94-7
Formula:	C ₂₀ H ₂₇ O ₄ P
Molecular Weight:	362.40
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	2-Ethylhexyl diphenyl phosphate is an organophosphorus flame retardant (OPFRs) and acts as a PPARG agonist (EC ₂₀ : 2.04 μM). Additionally, it inhibits the transcriptional activity of ERRγ (IC ₅₀ : 1.3 μM) and enhances the expression of 3β-HSD1, human chorionic gonadotropin (hCG), and progesterone secretion. This compound is applicable in studies related to female reproduction and fetal development.
Targets(IC ₅₀)	Estrogen Receptor/ERR,PPAR,Progesterone Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7594 mL	13.7969 mL	27.5938 mL
5 mM	0.5519 mL	2.7594 mL	5.5188 mL
10 mM	0.2759 mL	1.3797 mL	2.7594 mL
50 mM	0.0552 mL	0.2759 mL	0.5519 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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