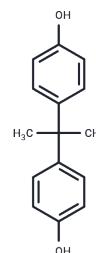


Bisphenol A

Chemical Properties

CAS No. :	80-05-7
Formula:	C ₁₅ H ₁₆ O ₂
Molecular Weight:	228.29
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Bisphenol A is an endogenous metabolic compound of phenols and is widely used in the production of epoxy resins and polycarbonate plastics. It is reproductive, developmental and systemic toxicant and is often classified as an endocrine disruptor. It has been linked to many diseases, including respiratory disease, cardiovascular disease, diabetes, kidney disease, obesity and reproductive disorders.
Targets(IC50)	Others,Endogenous Metabolite
In vivo	Oxidative metabolites of bisphenols have endocrine activities in humans.

Solubility Information

Solubility	DMSO: 55 mg/mL (240.92 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3804 mL	21.902 mL	43.8039 mL
5 mM	0.8761 mL	4.3804 mL	8.7608 mL
10 mM	0.438 mL	2.1902 mL	4.3804 mL
50 mM	0.0876 mL	0.438 mL	0.8761 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.

Reference

Cao Y, Xu J, Liu J, et al. Bisphenol A exposure decreases sperm production and male fertility through inhibition PCBP2 expression. Environmental Science and Pollution Research. 2023: 1-15.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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