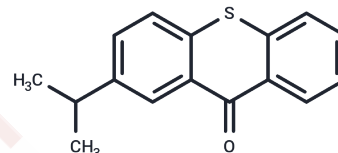


2-Isopropyl Thioxanthone

Chemical Properties

CAS No. :	5495-84-1
Formula:	C ₁₆ H ₁₄ O _S
Molecular Weight:	254.35
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-Isopropyl Thioxanthone has potential anti-estrogenic and anti-androgenic properties.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2.55 mg/mL (10.03 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	3.9316 mL	19.658 mL	39.3159 mL
5 mM	0.7863 mL	3.9316 mL	7.8632 mL
10 mM	0.3932 mL	1.9658 mL	3.9316 mL
50 mM	0.0786 mL	0.3932 mL	0.7863 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.

Reference

- Peijnenburg A , Riethof-Poortman J , Baykus H , et al. AhR-agonistic, anti-androgenic, and anti-estrogenic potencies of 2-isopropylthioxanthone (ITX) as determined by in vitro bioassays and gene expression profiling[J]. Toxicology in Vitro, 2010, 24(6):0-1628.
- Liu A C , Chen W Q , Zhang L , et al. Study on the preparation of 10-(4-biphenyl)-2-isopropylthioxanthone sulfonium hexafluorophosphate salt[J]. Yingxiang Kexue yu Guanghuaxue/Imaging ence and Photochemistry, 2009, 27(4):302-306.

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