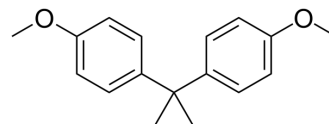


Dimethyl-bisphenol A

Cat. No.:	HY-115746
CAS No.:	1568-83-8
Molecular Formula:	C ₁₇ H ₂₀ O ₂
Molecular Weight:	256.34
Target:	HIF/HIF Prolyl-Hydroxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (390.11 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.9011 mL	19.5053 mL	39.0107 mL
	5 mM	0.7802 mL	3.9011 mL	7.8021 mL
	10 mM	0.3901 mL	1.9505 mL	3.9011 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.75 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.75 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Dimethyl-bisphenol A (DMBPA) is a potent HIF-1α inhibitor. Dimethyl-bisphenol A can decrease Vegfa mRNA expression^[1].

In Vitro

Dimethyl-bisphenol A (DMBPA; 50 μM; 30 min) significantly inhibits Vegfa120 and Vegfa164 expression in large osteoclasts (OCs)^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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