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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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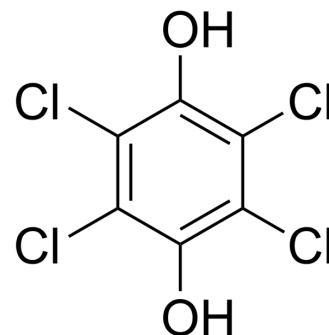
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Tetrachlorohydroquinone

Cat. No.:	HY-W144308
CAS No.:	87-87-6
Molecular Formula:	C ₆ H ₂ Cl ₄ O ₂
Molecular Weight:	247.89
Target:	Drug Metabolite; Reactive Oxygen Species
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (806.81 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	4.0340 mL	20.1702 mL	40.3405 mL	
		5 mM	0.8068 mL	4.0340 mL	8.0681 mL	
	10 mM	0.4034 mL	2.0170 mL	4.0340 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (20.17 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Tetrachlorohydroquinone (TCHQ) is a metabolite of pentachlorophenol. Tetrachlorohydroquinone increases DNA lesions and induce oxidative stress in rodents ^[1] .
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REFERENCES

[1]. Pietsch C, et al. Cytotoxic effects of pentachlorophenol (PCP) and its metabolite tetrachlorohydroquinone (TCHQ) on liver cells are modulated by antioxidants. Cell Biol Toxicol. 2014 Aug;30(4):233-52.

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

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