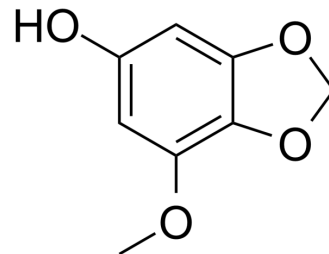


## Antioxidant agent-4

Cat. No.:	HY-W068420
CAS No.:	50901-34-3
Molecular Formula:	C <sub>8</sub> H <sub>8</sub> O <sub>4</sub>
Molecular Weight:	168.15
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (594.71 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	5.9471 mL	29.7354 mL	59.4707 mL
				5 mM	1.1894 mL	5.9471 mL	11.8941 mL
				10 mM	0.5947 mL	2.9735 mL	5.9471 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (14.87 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (14.87 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.87 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Antioxidant agent-4 (Compound 2) is an effective antioxidant molecule with antilipid peroxidative activity <sup>[1]</sup> .
-------------	---

### REFERENCES

- [1]. Mitra I, et al. QSAR of antilipid peroxidative activity of substituted benzodioxoles using chemometric tools. J Comput Chem. 2009 Dec;30(16):2712-22.
- [2]. Indrani Mitra, et al. QSAR of antilipid peroxidative activity of substituted benzodioxoles using chemometric tools. J Comput Chem. 2009 Dec;30(16):2712-22.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA