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Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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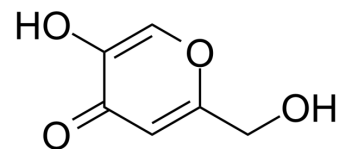
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Kojic acid

Cat. No.:	HY-W050154		
CAS No.:	501-30-4		
Molecular Formula:	C ₆ H ₆ O ₄		
Molecular Weight:	142.11		
Target:	Parasite		
Pathway:	Anti-infection		
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 : ≥ 100 mg/mL (703.68 mM)
 H₂O : 50 mg/mL (351.84 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.0368 mL	35.1840 mL	70.3680 mL
	5 mM	1.4074 mL	7.0368 mL	14.0736 mL
	10 mM	0.7037 mL	3.5184 mL	7.0368 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 14.29 mg/mL (100.56 mM); Clear solution; Need ultrasonic and warming and heat to 60°C
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 5 mg/mL (35.18 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (17.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (17.59 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Kojic acid is a natural substance produced by *Aspergillus oryzae*, also used as an anti-oxidant and radio-protective agent^[1].

REFERENCES

[1]. Wei X, et al. Kojic acid inhibits senescence of human corneal endothelial cells via NF- κ B and p21 signaling pathways. *Exp Eye Res.* 2018 Dec 28;180:174-183.

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

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