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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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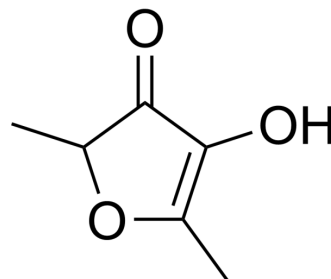
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Furaneol

Cat. No.:	HY-N7093
CAS No.:	3658-77-3
Molecular Formula:	C ₆ H ₈ O ₃
Molecular Weight:	128.13
Target:	Others
Pathway:	Others
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 (780.46 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		7.8046 mL	39.0229 mL	78.0457 mL
		5 mM		1.5609 mL	7.8046 mL	15.6091 mL
		10 mM		0.7805 mL	3.9023 mL	7.8046 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 (19.51 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (19.51 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (19.51 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Furaneol is mainly isolated from American grape (<i>Vitis labrusca</i>) and its hybrid grape. Furaneol is an important aroma compound in fruits and contribute to the strawberry-like note in some wines ^[1] .
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REFERENCES

[1]. Sasaki K, et al. Molecular cloning and characterization of UDP-glucose: furaneol glucosyltransferase gene from grapevine cultivar Muscat Bailey A (*Vitis labrusca* × *V. vinifera*). *J Exp Bot*. 2015 Oct;66(20):6167-74.

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

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