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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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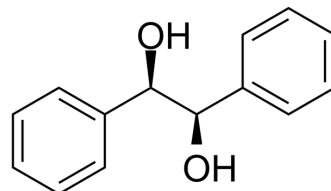
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(R,R)-(+)-Hydrobenzoin

Cat. No.:	HY-59125
CAS No.:	52340-78-0
Molecular Formula:	C ₁₄ H ₁₄ O ₂
Molecular Weight:	214.26
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (466.72 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	4.6672 mL	23.3361 mL	46.6723 mL
		5 mM	0.9334 mL	4.6672 mL	9.3345 mL
		10 mM	0.4667 mL	2.3336 mL	4.6672 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: ≥ 4.55 mg/mL (21.24 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.67 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.67 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(R,R)-(+)-Hydrobenzoin is a organocatalysts ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Kwan SooKim, et al. Synthesis of enantiopure cyclopentitols and aminocyclopentitols mediated by oxyselenenylation of cyclopentene with (R,R)-hydrobenzoin.

Tetrahedron Letters. 1988.

[2]. (+)-(1R,2R)-1,2-Diphenylethane-1,2-diol.

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

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