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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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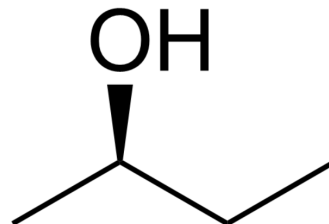
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(R)-(-)-2-Butanol

Cat. No.:	HY-W087952		
CAS No.:	14898-79-4		
Molecular Formula:	C ₄ H ₁₀ O		
Molecular Weight:	74.12		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-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 (1349.16 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	13.4916 mL	67.4582 mL	134.9164 mL
	5 mM	2.6983 mL	13.4916 mL	26.9833 mL
	10 mM	1.3492 mL	6.7458 mL	13.4916 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (33.73 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (33.73 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (33.73 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(R)-(-)-2-Butanol is released by the females of the white grub beetle, *Dasylepida ishigakiensis*, to attract males. (R)-(-)-2-Butanol is an intermediate of pharmaceutical synthesis by coupling^{[1][2]}.

REFERENCES

- [1]. N Fujiwara-Tsujii, et al. Age-dependent changes in the ratio of (R)- and (S)-2-butanol released by virgin females of *Dasylepida ishigakiensis* (Coleoptera: Scarabaeidae).

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

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