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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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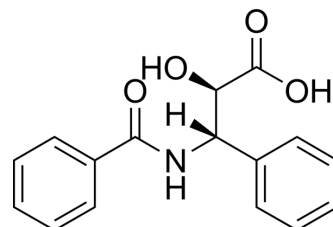
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N-Benzoyl-(2R,3S)-3-phenylisoserine

Cat. No.:	HY-N2380
CAS No.:	132201-33-3
Molecular Formula:	C ₁₆ H ₁₅ NO ₄
Molecular Weight:	285.29
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 160 mg/mL (560.83 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.5052 mL	17.5260 mL	35.0521 mL
	5 mM		0.7010 mL	3.5052 mL	7.0104 mL
	10 mM		0.3505 mL	1.7526 mL	3.5052 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: ≥ 2.67 mg/mL (9.36 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.67 mg/mL (9.36 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.67 mg/mL (9.36 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-Benzoyl-(2R,3S)-3-phenylisoserine is a Taxol C-13 Side Chain and crucial for the strong antitumor activity of Taxol^[1].

REFERENCES

[1]. Iwao Ojima, et al. Efficient and Practical Asymmetric Synthesis of the Taxol C-13 Side Chain, N-Benzoyl-(2R,3S)-3-phenylisoserine, and Its Analogues via Chiral 3-Hydroxy-4-aryl-lactams through Chiral Ester Enolate-Imine Cyclocondensation.

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

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