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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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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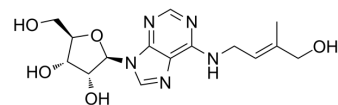
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trans-Zeatinriboside

Cat. No.:	HY-W011151		
CAS No.:	6025-53-2		
Molecular Formula:	C ₁₅ H ₂₁ N ₅ O ₅		
Molecular Weight:	351.36		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (284.61 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.8461 mL	14.2304 mL	28.4608 mL
	5 mM	0.5692 mL	2.8461 mL	5.6922 mL
	10 mM	0.2846 mL	1.4230 mL	2.8461 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: ≥ 2.08 mg/mL (5.92 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.08 mg/mL (5.92 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

trans-Zeatinriboside is a type of cytokinin precursor, acts as a major long-distance signalling form in xylem vessels, regulates leaf size and meristem activity-related traits.

REFERENCES

- [1]. Osugi A, et al. Systemic transport of trans-zeatin and its precursor have differing roles in Arabidopsis shoots. Nat Plants. 2017 Jul 24;3:17112.

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

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