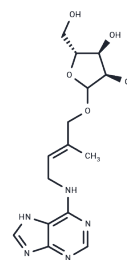


trans-Zeatinriboside

Chemical Properties

CAS No. :	6025-53-2
Formula:	C ₁₅ H ₂₁ N ₅ O ₅
Molecular Weight:	351.36
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	trans-Zeatinriboside (Ribosylzeatin) is the most active and ubiquitous form of the naturally occurring cytokinins that promote cell division, stimulate shoot proliferation, inhibit root formation, slow the aging process, and activate gene expression and metabolic activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (142.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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	1.423 mL	2.8461 mL
50 mM	0.0569 mL	0.2846 mL	0.5692 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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.

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