

(±)-Dihydrozeatin**Chemical Properties**

CAS No. : 23599-75-9

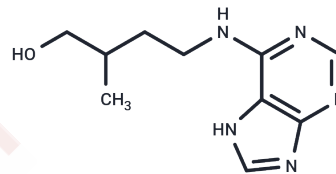
Formula: C₁₀H₁₅N₅O

Molecular Weight: 221.26

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

**Biological Description**

Description	(±)-Dihydrozeatin is a zeatin derivative, suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (361.57 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	4.5196 mL	22.5978 mL	45.1957 mL
5 mM	0.9039 mL	4.5196 mL	9.0391 mL
10 mM	0.452 mL	2.2598 mL	4.5196 mL
50 mM	0.0904 mL	0.452 mL	0.9039 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ai LF, et al. Simple and rapid determination of N(6)-(Δ(2)-isopentenyl)adenine, zeatin, and dihydrozeatin in plants using on-line cleanup liquid chromatography coupled with hybrid quadrupole-Orbitrap high-resolution mass spectrometry. *J Sep Sci.* 2015 Jun;38(11):1858-65.

Wang TL, et al. Dihydrozeatin riboside, a minor cytokinin from the leaves of *Phaseolus vulgaris* L. *Planta.* 1978 Jan;140(2):151-3.

Fusseder A, et al. Metabolism and compartmentation of dihydrozeatin exogenously supplied to photoautotrophic suspension cultures of *Chenopodium rubrum*. *Planta.* 1988 Jan;173(1):104-9.

Banowetz GM, et al. Monoclonal antibodies against the plant cytokinin, dihydrozeatin riboside. *Hybridoma.* 1997 Oct;16(5):479-83.

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