

Product Data Sheet

Product Name: cis-Zeatin

Cat. No.: GC49508

Chemical Properties

Cas. No. 32771-64-5

SMILES OC/C(C)=C\CNC1=C2C(N=CN2)=NC=N1

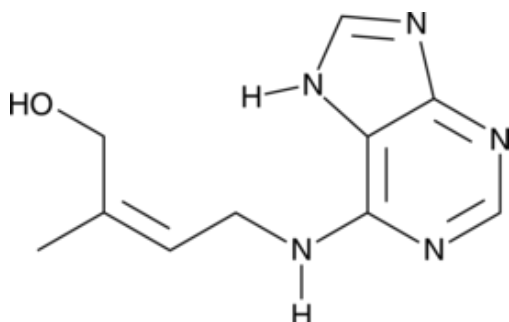
Formula C₁₀H₁₃N₅O M.Wt 219.2

Solubility DMSO: soluble, Methanol: soluble Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

cis-Zeatin is a cytokinin plant growth regulator and an isomer of *trans*-zeatin.¹ It induces callus growth in isolated *N. tabacum* callus tissue when used at concentrations ranging from 0.1 to 1 µM.

1. Schmitz, R.Y., and Skoog, F. Cytokinins: Synthesis and biological activity of geometric and position isomers of zeatin. *Plant Physiol.* 50(6):702-705 (1972)

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

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