

Product Name : trans-Zeatin

Synonyms : Trans-Zeatin; Trans Zeatin; Zeatin; (E)-Zeatin; Zeatine

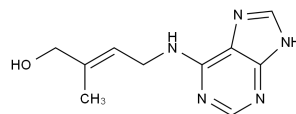
Cat No. : M12466

CAS Number : 1637-39-4

Molecular Formula : CHNO

Formula Weight : 219.24

Chemical Name : (E)-2-Methyl-4-(7H-purin-6-ylamino)but-2-en-1-ol



Description : trans-Zeatin is a plant cytokinin, which plays an important role in cell growth, differentiation, and division; trans-Zeatin also inhibits UV-induced MEK/ERK activation.

Pathway : MAPK/ERK Signaling

Target : MEK

Receptor : MEK;ERK

Solubility : DMSO: ≥ 60 mg/mL

SMILES : OC/C(C)=C/CNC1=NC2=NC=NC=N1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Li Q, et al. Endogenous trans-zeatin content in plants with different metal-accumulating ability: a field survey. Environ Sci Pollut Res Int. 2016 Dec;23(23):23422-23435. Epub 2016 Sep 9. | 2. Ji C, et al. Trans-Zeatin attenuates ultraviolet induced down-regulation of aquaporin-3 in cultured human skin keratinocytes. Int J Mol Med. 2010 Aug;26(2):257-63.