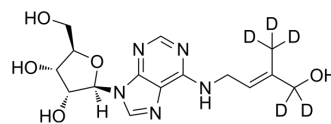


trans-Zeatinriboside-d₅

Cat. No.:	HY-W011151S		
CAS No.:	72963-21-4		
Molecular Formula:	C ₁₅ H ₁₆ D ₅ N ₅ O ₅		
Molecular Weight:	356.39		
Target:	Isotope-Labeled Compounds		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	trans-Zeatinriboside-d ₅ is the deuterium labeled trans-Zeatinriboside (HY-W011151). 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 ^{[1][2]} .
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-220.

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

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