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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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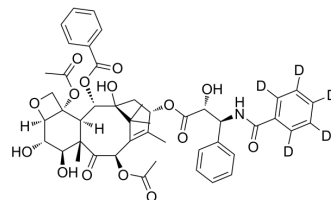
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6 α -Hydroxy Paclitaxel-d₅

Cat. No.:	HY-125348S
CAS No.:	1315376-90-9
Molecular Formula:	C ₄₇ H ₄₆ D ₅ NO ₁₅
Molecular Weight:	874.94
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	6 α -Hydroxy Paclitaxel-d ₅ is the deuterium labeled 6 α -Hydroxy paclitaxel. 6 α -Hydroxy paclitaxel is a primary metabolite of Paclitaxel. 6 α -Hydroxy paclitaxel retains a time-dependent effect on organic anion-transporting polypeptides 1B1/SLCO1B1 (OATP1B1) with similar inhibition potency to Paclitaxel, whereas it no longer showed time-dependent inhibition of OATP1B3. 6 α -Hydroxy paclitaxel can be used for the research of cancer[1].
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;53(2):211-216.
- [2]. Mori D, et al. Alteration in the Plasma Concentrations of Endogenous Organic Anion-Transporting Polypeptide 1B Biomarkers in Patients with Non-Small Cell Lung Cancer Treated with Paclitaxel. *Drug Metab Dispos*. 2020 May;48(5):387-394.

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

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