



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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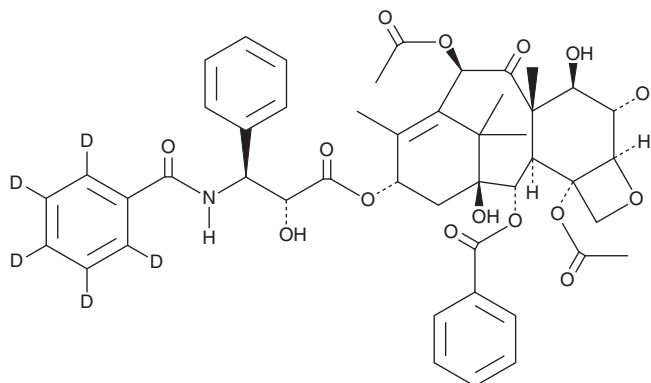
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# PRODUCT INFORMATION



## 6 $\alpha$ -hydroxy Paclitaxel-d<sub>5</sub> Item No. 40926

**CAS Registry No.:** 1315376-90-9  
**Formal Name:** ( $\alpha$ R, $\beta$ S)- $\beta$ -(benzoyl-2,3,4,5,6-d<sub>5</sub>-amino)- $\alpha$ -hydroxy-benzenepropanoic acid, (2aR,3S,4R,4aS,6R,9S,11S,12S,12aR,12bS)-6,12b-bis(acetyloxy)-12-(benzyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-3,4,11-trihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxet-9-yl ester  
**Synonym:** 6 $\alpha$ -hydroxy Taxol-d<sub>5</sub>  
**MF:** C<sub>47</sub>H<sub>46</sub>D<sub>5</sub>NO<sub>15</sub>  
**FW:** 874.9  
**Chemical Purity:**  $\geq$ 98% (6 $\alpha$ -hydroxy Paclitaxel)



**Deuterium Incorporation:**  $\geq$ 99% deuterated forms (d<sub>1</sub>-d<sub>5</sub>);  $\leq$ 1% d<sub>0</sub>  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:**  $\geq$ 4 years  
**Item Origin:** Synthetic

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

6 $\alpha$ -hydroxy Paclitaxel-d<sub>5</sub> is intended for use as an internal standard for the quantification of 6 $\alpha$ -hydroxy Paclitaxel (Item No. 10009027) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated versus unlabeled).

6 $\alpha$ -hydroxy Paclitaxel-d<sub>5</sub> is supplied as a solid. A stock solution may be made by dissolving the 6 $\alpha$ -hydroxy Paclitaxel-d<sub>5</sub> in the solvent of choice, which should be purged with an inert gas. 6 $\alpha$ -hydroxy Paclitaxel-d<sub>5</sub> is soluble in methanol, DMSO, and dimethyl formamide.

### Description

6 $\alpha$ -hydroxy Paclitaxel is a metabolite of the antimetabolic and anticancer agent paclitaxel (Item No. 10461).<sup>1</sup> It is formed from paclitaxel by the cytochrome P450 (CYP) isoform CYP2C8.<sup>1,2</sup>

### References

1. Kumar, G.N., Oatis, J.E., Jr., Thornburg, K.R., *et al.* 6 alpha-Hydroxytaxol: Isolation and identification of the major metabolite of taxol in human liver microsomes. *Drug Metab. Dispos.* **22**, 177-179 (1994).
2. Walle, T., Kumar, G.N., McMillian, J.M., *et al.* Taxol metabolism in rat hepatocytes. *Biochem. Pharmacol.* **46(9)**, 1661-1664 (1993).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

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