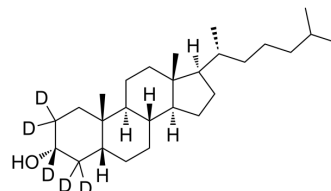


## Epicoprostanol-d5

Cat. No.:	HY-W127498S
Molecular Formula:	C <sub>27</sub> H <sub>43</sub> D <sub>5</sub> O
Molecular Weight:	393.7
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Epicoprostanol-d <sub>5</sub> is the deuterium labeled Epicoprostanol. Epicoprostanol is the compound found in adipocere[1][2].
<b>In Vitro</b>	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 <sup>[1]</sup> . 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]. Adachi J, et al. Epicoprostanol found in adipocere from five human autopsies. *Lipids*. 1997;32(11):1155-1160.
- [3]. Na Yang, et al. HMPL-523, a Novel SYK Inhibitor, Showed Anti-tumor Activities in Vitro and in Vivo.

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

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