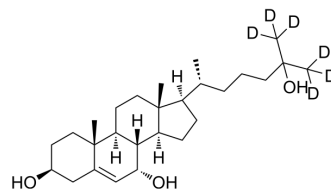


## 7 $\alpha$ ,25-Dihydroxycholesterol-d<sub>6</sub>

<b>Cat. No.:</b>	HY-113962S
<b>CAS No.:</b>	2260669-11-0
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>40</sub> D <sub>6</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	424.69
<b>Target:</b>	EBI2/GPR183; Endogenous Metabolite; Isotope-Labeled Compounds
<b>Pathway:</b>	GPCR/G Protein; Metabolic Enzyme/Protease; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	7 $\alpha$ ,25-Dihydroxycholesterol-d <sub>6</sub> is deuterium labeled 7 $\alpha$ ,25-Dihydroxycholesterol. 7 $\alpha$ , 25-dihydroxycholesterol (7 $\alpha$ ,25-OHC) is a potent and selective agonist and endogenous ligand of the orphan GPCR receptor EBI2 (GPR183). 7 $\alpha$ , 25-dihydroxycholesterol is highly
<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>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Liu C, et al. Oxysterols direct B-cell migration through EBI2. *Nature*. 2011 Jul 27;475(7357):519-23.
- [2]. Hannedouche S, et al. Oxysterols direct immune cell migration via EBI2. *Nature*. 2011 Jul 27;475(7357):524-7.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-223.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA