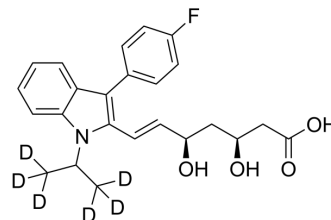


## (3S,5R)-Fluvastatin-d<sub>6</sub>

Cat. No.:	HY-14664DS
CAS No.:	2249799-34-4
Molecular Formula:	C <sub>24</sub> H <sub>20</sub> D <sub>6</sub> FNO <sub>4</sub>
Molecular Weight:	417.5
Target:	Autophagy
Pathway:	Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(3S,5R)-Fluvastatin-d<sub>6</sub> is the deuterium labeled (3S,5R)-Fluvastatin sodium. Fluvastatin is a first fully synthetic, competitive HMG-CoA reductase inhibitor with an IC<sub>50</sub> of 8 nM. Fluvastatin protects vascular smooth muscle cells against oxidative stress through the Nrf2-dependent antioxidant pathway[1].

### REFERENCES

- [1]. Araújo FA, Rocha MA, Capettini LS, et al. 3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor (fluvastatin) decreases inflammatory angiogenesis in mice. *APMIS*. 2012 24.
- [2]. Makabe S, Takahashi Y, Watanabe H, et al. Fluvastatin protects vascular smooth muscle cells against oxidative stress through the Nrf2-dependent antioxidant pathway. *Atherosclerosis*. 2010 Dec;213(2):377-84.
- [3]. Makabe S, et al. Fluvastatin protects vascular smooth muscle cells against oxidative stress through the Nrf2-dependent antioxidant pathway. *Atherosclerosis*. 2010 Dec;213(2):377-84.

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

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