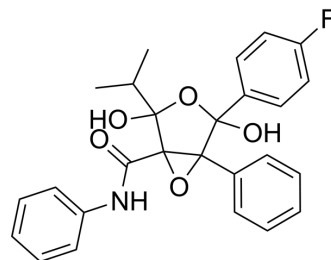


## Atorvastatin Epoxy Tetrahydrofuran Impurity

Cat. No.:	HY-136185
CAS No.:	873950-19-7
Molecular Formula:	C <sub>26</sub> H <sub>24</sub> FNO <sub>5</sub>
Molecular Weight:	449.47
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Atorvastatin Epoxy Tetrahydrofuran Impurity is an impurity isolated oxidative degradation products of Atorvastatin (HY-B0589) <sup>[1]</sup> . Atorvastatin is an orally active HMG-CoA reductase inhibitor, has the ability to effectively decrease blood lipids.
<b>In Vitro</b>	Atorvastatin treatment decreases apoptosis of myocardial cells by down-regulating GRP78, caspase-12 and CHOP expression in myocardial cells after myocardial infarction, and the endoplasmic reticulum (ER) stress is activated in response to heart failure and angiotensin II (Ang II) stimulation. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Klobčar S, et al. Isolation of oxidative degradation products of atorvastatin with supercritical fluidchromatography. Biomed Chromatogr. 2015 Dec;29(12):1901-6.

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

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