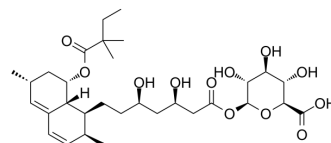


## Simvastatin Acyl- $\beta$ -D-glucuronide

Cat. No.:	HY-136344
CAS No.:	463962-56-3
Molecular Formula:	C <sub>31</sub> H <sub>48</sub> O <sub>12</sub>
Molecular Weight:	612.71
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Simvastatin Acyl- $\beta$ -D-glucuronide is a metabolite of Simvastatin. Simvastatin is a competitive inhibitor of HMG-CoA reductase with a  $K_i$  of 0.2 nM<sup>[1][2]</sup>.

### REFERENCES

[1]. Prueksaritanont T, Subramanian R, Fang X, et al. Glucuronidation of statins in animals and humans: a novel mechanism of statin lactonization. *Drug Metab Dispos.* 2002;30(5):505-512.

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

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