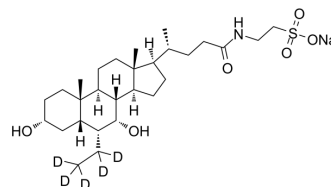


Tauro-obeticholic acid-d₅ sodium

Cat. No.:	HY-135399S
Molecular Formula:	C ₂₈ H ₄₃ D ₅ NNaO ₆ S
Molecular Weight:	554.77
Target:	FXR
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tauro-obeticholic acid-d ₅ sodium is deuterium labeled Tauro-obeticholic acid. Tauro-obeticholic acid is an active metabolite of Obeticholic acid. Obeticholic acid is an orally bioavailable farnesoid-X receptor (FXR) agonist.
In Vitro	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 ^[1] . 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]. Markham A, et al. Obeticholic Acid: First Global Approval. *Drugs*. 2016 Aug;76(12):1221-6.

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

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