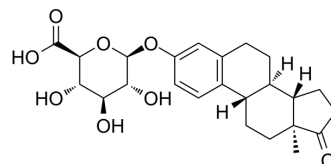


Estrone 3-glucuronide

Cat. No.:	HY-113157
CAS No.:	2479-90-5
Molecular Formula:	C ₂₄ H ₃₀ O ₈
Molecular Weight:	446.49
Target:	Drug Metabolite; Endogenous Metabolite; Drug Metabolite; Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Estrone 3-glucuronide is deuterium labeled Estrone 3-glucuronide. Estrone 3-glucuronide, the dominant metabolite of estradiol, is determined to be the urinary marker for prediction of the fertile window ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite
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]. Eichner SF, et al. Urinary-based ovulation and pregnancy: point-of-care testing. *Ann Pharmacother.* 2004;38(2):325-331.
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

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

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