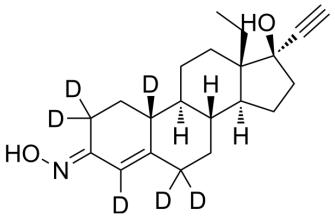
Norgestimate metabolite norelgestromin-d_6

Cat. No.:	HY-G0018S
CAS No.:	1263184-13-9
Molecular Formula:	$C_{21}H_{23}D_6NO_2$
Molecular Weight:	333.5
Target:	Drug Metabolite; Isotope-Labeled Compounds
Pathway:	Metabolic Enzyme/Protease; Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	Norgestimate metabolite norelgestromin-d_6 is the deuterium labeled Norgestimate metabolite norelgestromin. Norelgestromin is a metabolite of Norgestimate, which is a progestin or synthetic progestogen. Norgestimate metabolite norelgestromin-d6 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.
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.

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