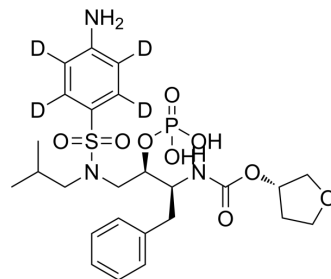


Fosamprenavir-d₄

| | |
|---------------------------|---|
| Cat. No.: | HY-78726S |
| CAS No.: | 1133702-41-6 |
| Molecular Formula: | C ₂₅ H ₃₂ D ₄ N ₃ O ₉ PS |
| Molecular Weight: | 589.63 |
| Target: | HIV; Endogenous Metabolite; Isotope-Labeled Compounds |
| Pathway: | Anti-infection; Metabolic Enzyme/Protease; Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | Fosamprenavir-d ₄ is deuterium labeled Fosamprenavir. Fosamprenavir (Amprenavir phosphate;GW 433908) is a phosphate ester proagent of the antiretroviral protease inhibitor Amprenavir, with improved solubility[1]. Anti-HIV infection[1]. |
| 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]. Falcoz C, et al. Pharmacokinetics of GW433908, a prodrug of amprenavir, in healthy male volunteers. *J Clin Pharmacol.* 2002 Aug;42(8):887-98.

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

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