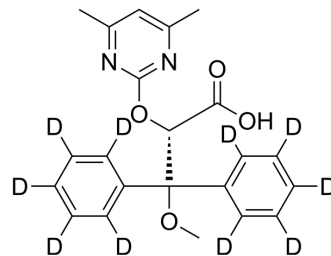


Ambrisentan-d₁₀

Cat. No.:	HY-13209S
CAS No.:	1046116-27-1
Molecular Formula:	C ₂₂ H ₁₂ D ₁₀ N ₂ O ₄
Molecular Weight:	388.48
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ambrisentan-d ₁₀ (BSF 208075-d ₁₀ ; LU 208075-d ₁₀) is the deuterium labeled Ambrisentan (HY-13209). Ambrisentan is a selective ET type A receptor (ETAR) antagonist.
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]. Okamoto T, et al. Antifibrotic effects of Ambrisentan, an endothelin-A receptor antagonist, in a non-alcoholic steatohepatitis mouse model. *World J Hepatol.* 2016 Aug 8;8(22):933-41.
- [2]. Lisk C, et al. Nrf2 activation: a potential strategy for the prevention of acute mountain sickness. *Free Radic Biol Med.* 2013 Oct;63:264-73.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019 Feb;53(2):211-216.

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

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