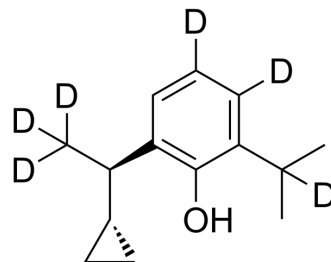


Cipecfol-d₆-2

Cat. No.:	HY-116152S2
CAS No.:	2677052-87-6
Molecular Formula:	C ₁₄ H ₁₄ D ₆ O
Molecular Weight:	210.34
Target:	Isotope-Labeled Compounds; GABA Receptor
Pathway:	Others; Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cipecfol-d ₆ -2 (Ciprofol-d ₆ -2; HSK3486-d ₆ -2) is deuterium labeled Cipecfol (HY-116152). Cipecfol (HSK3486), a psychomotor stabilizing agent, is a gamma-aminobutyric acid (GABA) receptor potentiator.
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 Feb;53(2):211-216.
- [2]. Li X, et al. Safety, Pharmacokinetics, and Pharmacodynamics of a Single Bolus of the γ-aminobutyric Acid (GABA) Receptor Potentiator HSK3486 in Healthy Chinese Elderly and Non-elderly. *Front Pharmacol*. 2021;12:735700. Published 2021 Aug 27.

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

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