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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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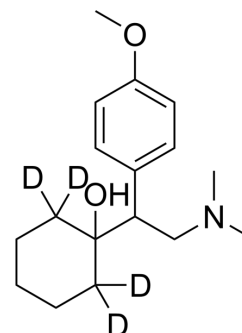
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Venlafaxine-d₄

Cat. No.:	HY-B0196S2
Molecular Formula:	C ₁₇ H ₂₃ D ₄ NO ₂
Molecular Weight:	281.43
Target:	Isotope-Labeled Compounds; Serotonin Transporter
Pathway:	Others; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Venlafaxine-d₄ (Wy 45030-d₄) is deuterium labeled Venlafaxine. Venlafaxine (Wy 45030) is an orally active, potent serotonin (5-HT)/norepinephrine (NE) reuptake dual inhibitor. Venlafaxine is an antidepressant^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Bymaster FP, et al. Comparative affinity of duloxetine and venlafaxine for serotonin and norepinephrine transporters in vitro and in vivo, human serotonin receptor subtypes, and other neuronal receptors. *Neuropsychopharmacology*. 2001 Dec;25(6):871-80.
- [3]. Goeringer KE, et al. Postmortem tissue concentrations of venlafaxine. *Forensic Sci Int*. 2001 Sep 15;121(1-2):70-5.

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

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