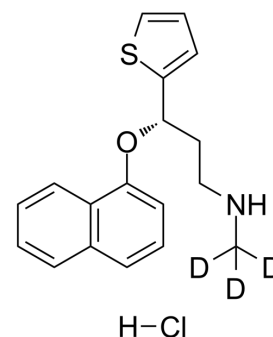


Duloxetine D3 hydrochloride

Cat. No.:	HY-B0161AS
CAS No.:	1435727-97-1
Molecular Formula:	C ₁₈ H ₁₇ D ₃ ClNOS
Molecular Weight:	336.89
Target:	Serotonin Transporter
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Duloxetine D3 hydrochloride ((S)-Duloxetine D3 hydrochloride) is a deuterium labeled Duloxetine hydrochloride. Duloxetine hydrochloride is a serotonin-norepinephrine reuptake inhibitor (SNRI) with a K_i of 4.6 nM, used for treatment of major depressive disorder and generalized anxiety disorder (GAD)^{[1][2]}.

REFERENCES

[1]. De Berardis, D., et al., The effect of newer serotonin-noradrenalin antidepressants on cytokine production: a review of the current literature. *Int J Immunopathol Pharmacol*, 2010. 23(2): p. 417-22.

[2]. Wang, S.Y., J. Calderon, and G. Kuo Wang, Block of neuronal Na⁺ channels by antidepressant duloxetine in a state-dependent manner. *Anesthesiology*, 2010. 113(3): p. 655-65.

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

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