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Produktinformation



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Zuschläge

- Mindermengenzuschlag
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- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

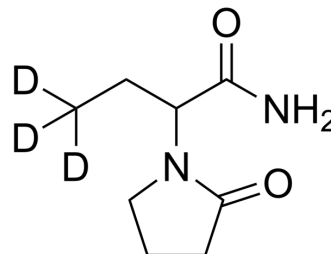
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Etiracetam-d₃

Cat. No.:	HY-B0106AS
CAS No.:	2714408-84-9
Molecular Formula:	C ₈ H ₁₁ D ₃ N ₂ O ₂
Molecular Weight:	173.23
Target:	Calcium Channel; Isotope-Labeled Compounds
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Etiracetam-d ₃ is the deuterium labeled Etiracetam. Etiracetam (UCB 6474) is an acetylcholine agonist and a nootropic drug of the racetam family. Less active than its S-enantiomer Levetiracetam (UCB L059)[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]. Hovinga CA, et al. Levetiracetam: a novel antiepileptic drug. *Pharmacotherapy*. 2001 Nov;21(11):1375-88.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA