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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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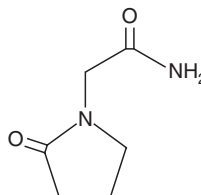
PRODUCT INFORMATION



Piracetam

Item No. 20755

CAS Registry No.:	7491-74-9
Formal Name:	2-oxo-1-pyrrolidineacetamide
Synonym:	UCB 6215
MF:	C ₆ H ₁₀ N ₂ O ₂
FW:	142.2
Purity:	≥98%
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Description

Piracetam (Item No. 20755) is an analytical reference standard that is structurally categorized as a nootropic. It is a cyclic derivative of γ -aminobutyric acid (GABA) that improves learning, memory, brain metabolism, and capacity in animal models.^{1,2} It has shown efficacy in stroke rehabilitation in animal models.^{3,4} Although its mechanism of action remains unclear, piracetam has been shown to alter the physical properties of cell membranes and to protect against hypoxia, which might underlie neuroprotective and antithrombotic actions.² This product is intended for research and forensic applications.

References

1. Zvejniece, L., Svalbe, B., Veinberg, G., *et al.* Investigation into stereoselective pharmacological activity of phenotropil. *Basic Clin. Pharmacol. Toxicol.* **109**(5), 407-412 (2011).
2. Winnicka, K., Tomasiak, M. and Bielawska, A. Piracetam - An old drug with novel properties? *Acta. Pol. Pharm.* **62**(5), 405-409 (2005).
3. Engelter, S.T. Safety in pharmacological enhancement of stroke rehabilitation. *Eur. J. Phys. Rehabil. Med.* **49**(2), 261-267 (2013).
4. Wheble, P.C.R., Sena, E.S. and Macleod, M.R. A systematic review and meta-analysis of the efficacy of piracetam and piracetam-like compounds in experimental stroke. *Cerebrovasc. Dis.* **25**(1-2), 5-11 (2007).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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