



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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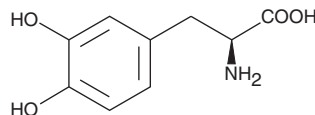
PRODUCT INFORMATION



L-DOPA

Item No. 13248

CAS Registry No.: 59-92-7
Formal Name: 3-hydroxy-L-tyrosine
Synonyms: 3,4-Dihydroxyphenylalanine, Levodopa
MF: $C_9H_{11}NO_4$
FW: 197.2
Purity: $\geq 95\%$
Supplied as: A crystalline solid
Storage: Room temperature
Stability: ≥ 4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

L-DOPA is supplied as a crystalline solid. L-DOPA is sparingly soluble in water. We do not recommend storing the aqueous solution for more than one day.

Description

L-DOPA is a metabolic precursor of dopamine that is capable of crossing the blood-brain barrier.¹ It is produced from L-tyrosine by tyrosine hydroxylase and metabolized by catechol-O-methyl transferase (COMT). In the brain L-DOPA is converted to dopamine. Formulations containing L-DOPA have been used in stroke recovery and in the treatment of Parkinson's disease.

Reference

1. Berends, H.I., Nijlant, J.M.M., Movig, K.L.L., *et al.* The clinical use of drugs influencing neurotransmitters in the brain to promote motor recovery after stroke; a Cochrane systematic review. *Eur. J. Phys. Rehabil. Med.* **45**(4), 621-630 (2009).

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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