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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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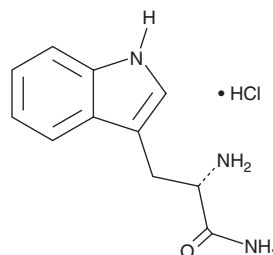
PRODUCT INFORMATION



L-Tryptophanamide (hydrochloride)

Item No. 35769

CAS Registry No.: 5022-65-1
Formal Name: αS-amino-1H-indole-3-propanamide, monohydrochloride
MF: C₁₁H₁₃N₃O • HCl
FW: 239.7
Purity: ≥98%
UV/Vis.: λ_{max}: 218 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

L-Tryptophanamide (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the L-tryptophanamide (hydrochloride) in the solvent of choice, which should be purged with an inert gas. L-Tryptophanamide (hydrochloride) is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of L-tryptophanamide (hydrochloride) in these solvents is approximately 1 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of L-tryptophanamide (hydrochloride) can be prepared by directly dissolving the solid in aqueous buffers. The solubility of L-tryptophanamide (hydrochloride) in PBS (pH 7.2) is approximately 5 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

L-Tryptophanamide is an endogenous metabolite of L-tryptophan (Item No. 29600).¹ It inhibits proliferation of, and induces necrosis in, human retinal pigment epithelium cells (HRPEs). Levels of L-tryptophanamide are increased in patients with wet age-related macular degeneration (wAMD) presenting with choroidal neovascularization compared with wAMD patients presenting with polypoidal choroidal neovascularization.

Reference

1. Deng, Y., Shuai, P., Wang, H., *et al.* Untargeted metabolomics for uncovering plasma biological markers of wet age-related macular degeneration. *Aging (Albany NY)* **13(10)**, 13968-14000 (2021).

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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