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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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L-Asparaginase

Cat. No.:	HY-P1923
CAS No.:	9015-68-3
Target:	Apoptosis; DNA/RNA Synthesis
Pathway:	Apoptosis; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

L-Asparaginase

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 25 mg/mL (Infinity mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description	L-Asparaginase (L-ASNase) is a deamidating enzyme that catalyses the hydrolysis of L-asparagine and L-glutamine, and can be used for the research of acute lymphoblastic leukemia. L-Asparaginase depletes L-asparagine from plasma resulting in inhibition of RNA and DNA synthesis with the subsequent blastic cell apoptosis ^[1] .
In Vitro	L-Asparaginase has a cytotoxic effect on AML blasts and LSC subpopulations ^[1] . L-Asparaginase is effective on both CD34 ⁺ CD38 ⁺ and CD34 ⁺ CD38 ⁺ LSC fractions, MSC and monocytes/macrophages partially counteracted the effect ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- EMBO Mol Med. 2023 Jan 4;e16554.
- Cell Death Dis. 2023 Aug 1;14(8):489.
- Biochem Pharmacol. 2023 Jul 20;215:115690.
- Cancers (Basel). 2022 Oct 19;14(20):5127.
- Front Mol Neurosci. 2020 Sep 30;13:563054.

See more customer validations on www.MedChemExpress.com

REFERENCES

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

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