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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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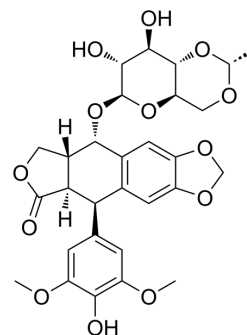
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Etoposide (Standard)

Cat. No.:	HY-13629R
CAS No.:	33419-42-0
Molecular Formula:	C ₂₉ H ₃₂ O ₁₃
Molecular Weight:	588.56
Target:	Mitophagy; Autophagy; Apoptosis; Topoisomerase; Antibiotic; Bacterial
Pathway:	Autophagy; Apoptosis; Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Etoposide (Standard) is the analytical standard of Etoposide. This product is intended for research and analytical applications. Etoposide (VP-16; VP-16-213) is an anti-cancer chemotherapy agent. Etoposide inhibits topoisomerase II, thus stopping DNA replication. Etoposide induces cell cycle arrest, apoptosis and autophagy^[1].

REFERENCES

- [1]. Lee KI, et al. Etoposide induces pancreatic β -cells cytotoxicity via the JNK/ERK/GSK-3 signaling-mediated mitochondria-dependent apoptosis pathway. *Toxicol In Vitro*. 2016 Jul 26. pii: S0887-2333(16)30147-3.
- [2]. Calvani M, et al. Etoposide-Anti-Human VEGF a new strategy against human melanoma cells expressing stem-like traits. *Oncotarget*. 2016 Jun 9. doi: 10.18632/oncotarget.9939.
- [3]. Fuchs, J., et al. Comparative activity of NSC 119875, NSC 109724, NSC 123127, NSC 241240, and etoposide in heterotransplanted hepatoblastoma. *Cancer*, 1998. 83(11): p. 2400-7.
- [4]. Hande KR, et al. The Importance of Drug Scheduling in Cancer Chemotherapy: Etoposide as an Example. *Oncologist*. 1996;1(4):234-239.
- [5]. Cui D, et al. FBXW7 Confers Radiation Survival by Targeting p53 for Degradation. *Cell Rep*. 2020 Jan 14;30(2):497-509.e4.

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

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