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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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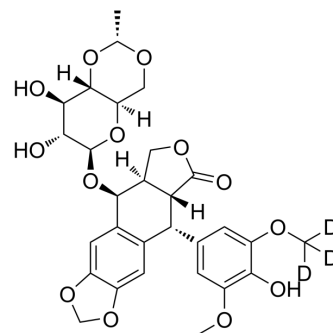
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Etoposide-d₃

Cat. No.:	HY-13629S
Molecular Formula:	C ₂₉ H ₂₉ D ₃ O ₁₃
Molecular Weight:	591.58
Target:	Isotope-Labeled Compounds; Topoisomerase; Antibiotic; Apoptosis; Bacterial; Autophagy; Mitophagy
Pathway:	Others; Cell Cycle/DNA Damage; Anti-infection; Apoptosis; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Etoposide-d₃ (VP-16-d₃) is the deuterium labeled Etoposide (HY-13629). Etoposide (VP-16) 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]. Hande KR, et al. The Importance of Drug Scheduling in Cancer Chemotherapy: Etoposide as an Example. *Oncologist*. 1996;1(4):234-239.
- [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]. 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.
- [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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