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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Plitidepsin (Standard)

Cat. No.:	HY-16050R
CAS No.:	137219-37-5
Molecular Formula:	C ₅₇ H ₈₇ N ₇ O ₁₅
Molecular Weight:	1110.34
Target:	DNA/RNA Synthesis; SARS-CoV
Pathway:	Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Plitidepsin (Standard) is the analytical standard of Plitidepsin. This product is intended for research and analytical applications. Plitidepsin (Aplidine) is a potent anti-cancer agent by targeting eEF1A2 (K_D=80 nM)^[1]. Plitidepsin possesses antiviral activity and is against SARS-CoV-2 with an IC₅₀ of 0.88 nM. Plitidepsin is usually used for multiple myeloma and advanced cancer research, and has the potential for COVID-19 research^{[1][2]}.

REFERENCES

[1]. Alejandro Losada, et al. Translation Elongation Factor eEF1A2 is a Novel Anticancer Target for the Marine Natural Product Plitidepsin. *Sci Rep.* 2016 Oct 7;6:35100.

[2]. Kris M White, et al. Plitidepsin has potent preclinical efficacy against SARS-CoV-2 by targeting the host protein eEF1A. *Science.* 2021 Feb 26;371(6532):926-931.

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

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