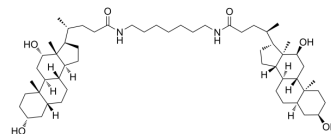


Cholicamideβ

Cat. No.:	HY-156087
Molecular Formula:	C ₅₅ H ₉₄ N ₂ O ₆
Molecular Weight:	879.34
Target:	Apoptosis; Necroptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cholicamideβ (GMP) is a GMP grade of Cholicamideβ. Cholicamideβ (compound 6) is a self-assembling, small molecule, cancer vaccine adjuvant. Cholicamideβ can form virus-like particles with low cytotoxicity. Cholicamideβ, upon binding to peptide antigens, enhances antigen presentation by dendritic cells and induces antigen-specific T cells. Cholicamideβ can induce apoptosis and necrosis ^[1] .
In Vitro	Cholicamideβ (compound 6) (4-16 μM; 22 h) induces apoptosis and necrosis in RAW264.7 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Cholicamideβ (compound 6) (100 μg/mouse; tested after 16 h and 21 d) shows low toxicity and increases HA-specific IgG antibody titers in C57BL/6 mice immunized with split influenza vaccine ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhuo SH, et al. Identification of a Self-Assembling Small-Molecule Cancer Vaccine Adjuvant with an Improved Toxicity Profile. J Med Chem. 2023 Sep 7..

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA