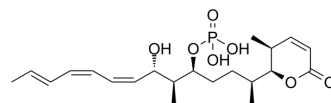


Cytostatin

Cat. No.:	HY-113612
CAS No.:	682329-63-1
Molecular Formula:	C ₂₁ H ₃₃ O ₇ P
Molecular Weight:	428.46
Target:	Phosphatase; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cytostatin is a potent and selective inhibitor of PP ₂ A with promising antitumor activity. Cytostatin is also an inhibitor of cell adhesion to extracellular matrix and induces cell apoptosis. Cytostatin belongs to the fostriecin family of natural products ^[1] [2][3].
IC ₅₀ & Target	PP ₂ A ^[1]

REFERENCES

- [1]. Lawhorn BG, et al. Total synthesis and evaluation of cytostatin, its C10-C11 diastereomers, and additional key analogues: impact on PP₂A inhibition. *J Am Chem Soc.* 2006;128(51):16720-16732.
- [2]. Kawada M, et al. Cytostatin, an inhibitor of cell adhesion to extracellular matrix, selectively inhibits protein phosphatase 2A. *Biochim Biophys Acta.* 1999;1452(2):209-217.
- [3]. Kawada M, et al. Differential induction of apoptosis in B16 melanoma and EL-4 lymphoma cells by cytostatin and bactobolin. *Jpn J Cancer Res.* 1999;90(2):219-225.

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

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