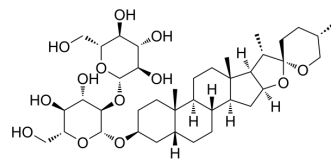


Asparanin A

Cat. No.:	HY-N12044
CAS No.:	84633-33-0
Molecular Formula:	C ₃₉ H ₆₄ O ₁₃
Molecular Weight:	740.92
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Asparanin A is an apoptosis inducer with anticancer activity. Asparanin A induces cell cycle arrest in the G0/G1 phase through mitochondria and PI3K/AKT signaling pathways, inhibiting cancer cell growth. Asparanin A also demonstrated in vivo efficacy in a mouse xenograft model of Ishikawa endometrial carcinoma, significantly inhibiting tumor growth^[1].

REFERENCES

[1]. Zhang F, et al. Asparanin A from *Asparagus officinalis* L. Induces G0/G1 Cell Cycle Arrest and Apoptosis in Human Endometrial Carcinoma Ishikawa Cells via Mitochondrial and PI3K/AKT Signaling Pathways. *J Agric Food Chem.* 2020 Jan 8;68(1):213-224..

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

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