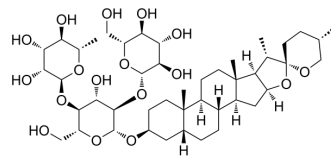


Shatavarin IV

Cat. No.:	HY-N8804
CAS No.:	84633-34-1
Molecular Formula:	C ₄₅ H ₇₄ O ₁₇
Molecular Weight:	887.06
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Shatavarin IV is a steroidal saponin, that can be isolated from the roots of <i>Asparagus racemosus</i> (Liliaceae). Shatavarin IV shows anticancer activity. Shatavarin IV elicits lifespan extension and alleviates Parkinsonism in <i>Caenorhabditis elegans</i> ^[1] .
In Vivo	<p>Shatavarin IV (50 μM) reduces the accumulation of intracellular lipofuscin in <i>C. elegans</i>^[1].</p> <p>Shatavarin IV (0-100 μM) reduces ROS level in <i>C. elegans</i>^[1].</p> <p>Shatavarin IV (50 μM) significantly increases the mRNA expression of stress responsive genes in <i>C. elegans</i>, namely <i>sod-1</i>, <i>sod-2</i>, <i>sod-3</i>, <i>gst-4</i>, <i>gst-7</i> and <i>ctl-2</i>^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Smita SS, et al. Shatavarin IV elicits lifespan extension and alleviates Parkinsonism in *Caenorhabditis elegans*. *Free Radic Res.* 2017 Dec;51(11-12):954-969.

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

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