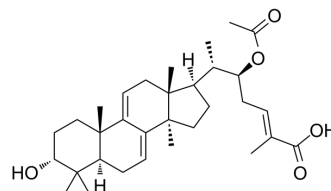


Ganoderic acid S

Cat. No.:	HY-N11636
CAS No.:	103963-38-8
Molecular Formula:	C ₃₂ H ₄₈ O ₅
Molecular Weight:	512.72
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ganoderic acid S is a positional isomer of ganoderic acids, that can be isolated from the fermented mycelia of Ganoderma lucidum. Ganoderic acid S can induce apoptosis in HeLa cells through the mitochondria pathway ^[1] .								
In Vitro	<p>Ganoderic acid S (0, 39.1, 97.7 μM; 12 h) causes cell cycle arrest in the S phase in HeLa cells^[1]. Ganoderic acid S dose-dependently causes the collapse of mitochondrial membrane potential. Ganoderic acid S induces a substantial release of cytochrome c from the mitochondria into the cytosol in HeLa cells^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Cycle Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>HeLa cells</td> </tr> <tr> <td>Concentration:</td> <td>0, 39.1, 97.7 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>12 h</td> </tr> <tr> <td>Result:</td> <td>Caused cell cycle arrest in the S phase.</td> </tr> </table>	Cell Line:	HeLa cells	Concentration:	0, 39.1, 97.7 μM	Incubation Time:	12 h	Result:	Caused cell cycle arrest in the S phase.
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Incubation Time:	12 h								
Result:	Caused cell cycle arrest in the S phase.								

REFERENCES

[1]. Liu RM, et al. Ganoderic acid Mf and S induce mitochondria mediated apoptosis in human cervical carcinoma HeLa cells. *Phytomedicine*. 2011 Mar 15;18(5):349-55.

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

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