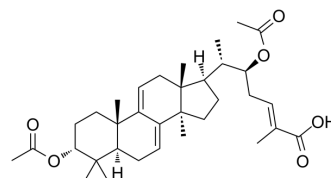


Ganoderic acid R

| | |
|---------------------------|---|
| Cat. No.: | HY-N11638 |
| CAS No.: | 103963-39-9 |
| Molecular Formula: | C ₃₄ H ₅₀ O ₆ |
| Molecular Weight: | 554.76 |
| Target: | Apoptosis |
| Pathway: | Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | | | | | | | | |
|--------------------|---|------------|------------------|----------------|-----------------|------------------|------|---------|--|
| Description | Ganoderic acid R is a potent anticancer agent. Ganoderic acid R inhibits the growth by inducing apoptosis on tumor cell line. Ganoderic acid R possesses significant cytotoxicity on a multidrug resistance (MDR) tumor cell line (KB-A-1/Dox) and a sensitive tumor cell line (KB-A-1) ^[1] . | | | | | | | | |
| In Vitro | <p>Ganoderic acid R (0-50 µg/mL, 48 h) inhibit the growth by inducing apoptosis on tumor cell lines at the concentrations that more than 20 µg/mL^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Apoptosis Analysis^[1]</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Cell Line:</td> <td>KB-A-1/Dox cells</td> </tr> <tr> <td>Concentration:</td> <td>0, 25, 50 µg/mL</td> </tr> <tr> <td>Incubation Time:</td> <td>48 h</td> </tr> <tr> <td>Result:</td> <td>Induced the cellular apoptosis, the number of apoptotic cells was increased from 35% to 90% during 48 h.</td> </tr> </table> | Cell Line: | KB-A-1/Dox cells | Concentration: | 0, 25, 50 µg/mL | Incubation Time: | 48 h | Result: | Induced the cellular apoptosis, the number of apoptotic cells was increased from 35% to 90% during 48 h. |
| Cell Line: | KB-A-1/Dox cells | | | | | | | | |
| Concentration: | 0, 25, 50 µg/mL | | | | | | | | |
| Incubation Time: | 48 h | | | | | | | | |
| Result: | Induced the cellular apoptosis, the number of apoptotic cells was increased from 35% to 90% during 48 h. | | | | | | | | |

REFERENCES

[1]. Ouyang J J, et al. Ganoderic Acid Restores the Sensitivity of Multidrug Resistance Cancer Cells to Doxorubicin. *Advanced Materials Research*, 2014, 834-836:573-576.

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