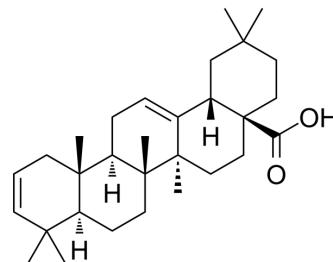


Oleana-2,12-dien-28-oic acid

Cat. No.:	HY-148201
CAS No.:	272108-04-0
Molecular Formula:	C ₃₀ H ₄₆ O ₂
Molecular Weight:	438.69
Target:	HBV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Oleana-2,12-dien-28-oic acid is an HBV-DNA inhibitor, HBsAg and HBeAg inhibitor. Oleana-2,12-dien-28-oic acid can be used in hepatitis B virus infection disease research ^[1] .								
In Vitro	<p>Oleana-2,12-dien-28-oic acid (4-100 µg/mL; 7 d) shows the inhibition on hepatitis B surface antigen (HBsAg) and hepatitis B e antigen (HBeAg) secreted by HepG2.2.15 cells^[1].</p> <p>Oleana-2,12-dien-28-oic acid (4-100 µg/mL; 7 d) inhibits the replication of hepatitis B virus deoxyribonucleic acid (HBV-DNA) of HepG2.2.15 cells^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td><td>HepG2 .2 .15 cells</td></tr> <tr> <td>Concentration:</td><td>4, 20, 100 µg/mL</td></tr> <tr> <td>Incubation Time:</td><td>7 days</td></tr> <tr> <td>Result:</td><td> <p>Inhibited hepatitis B surface antigen (HBsAg) of 60.5%, 69.8%, and 85.3% at 4, 20, and 100 µg/mL, respectively.</p> <p>Inhibited hepatitis B e antigen (HBeAg) of 45.1%, 60.5%, and 76.9% at 4, 20, and 100 µg/mL, respectively.</p> </td></tr> </table>	Cell Line:	HepG2 .2 .15 cells	Concentration:	4, 20, 100 µg/mL	Incubation Time:	7 days	Result:	<p>Inhibited hepatitis B surface antigen (HBsAg) of 60.5%, 69.8%, and 85.3% at 4, 20, and 100 µg/mL, respectively.</p> <p>Inhibited hepatitis B e antigen (HBeAg) of 45.1%, 60.5%, and 76.9% at 4, 20, and 100 µg/mL, respectively.</p>
Cell Line:	HepG2 .2 .15 cells								
Concentration:	4, 20, 100 µg/mL								
Incubation Time:	7 days								
Result:	<p>Inhibited hepatitis B surface antigen (HBsAg) of 60.5%, 69.8%, and 85.3% at 4, 20, and 100 µg/mL, respectively.</p> <p>Inhibited hepatitis B e antigen (HBeAg) of 45.1%, 60.5%, and 76.9% at 4, 20, and 100 µg/mL, respectively.</p>								

REFERENCES

[1]. Wu XM, et al. Medical application of A-ring double-bond oleanolic acid in preparation of medicines for preventing and treating viral hepatitis B. CN111759846A.

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