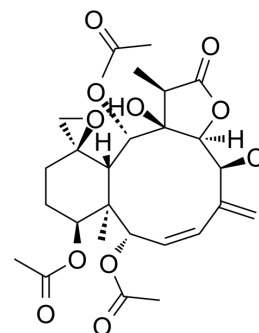


Junceollolide C

Cat. No.:	HY-N10404
CAS No.:	121769-82-2
Molecular Formula:	C ₂₆ H ₃₃ ClO ₁₀
Molecular Weight:	540.99
Target:	HBV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Junceollolide C is a transcription inhibitor of cccDNA. Junceollolide C inhibits HBV DNA replication and significantly decreases the level of supernatant HBV RNA with EC ₅₀ values of 5.19, 3.52 μM respectively in HepAD38 cells. Junceollolide C is a potent anti-HBV agent ^[1] .								
IC₅₀ & Target	EC ₅₀ : 2.27 μM (HBV DNA replication), 3.52 μM (HBV RNA decrease) in HBeAg cells ^[1]								
In Vitro	<p>Junceollolide C (10 μM; 72 hours) inhibits HBV DNA replication and significantly decreases the level of supernatant HBV RNA in HepAD38 cells with EC₅₀ values of 2.27, 3.52 μM, respectively^[1].</p> <p>Junceollolide C (10 μM; 8 days) can capable to inhibit HBV cccDNA replenishment and also to induce the existed HBV cccDNA degradation^[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>HepAD38 cells</td> </tr> <tr> <td>Concentration:</td> <td>10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>72 h, 8 days</td> </tr> <tr> <td>Result:</td> <td>Inhibited cccDNA transcription.</td> </tr> </table>	Cell Line:	HepAD38 cells	Concentration:	10 μM	Incubation Time:	72 h, 8 days	Result:	Inhibited cccDNA transcription.
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Concentration:	10 μM								
Incubation Time:	72 h, 8 days								
Result:	Inhibited cccDNA transcription.								

REFERENCES

[1]. Jiru Wu, et al. Briarane-type diterpenoids from a gorgonian coral *Ellisella* sp. with anti-HBV activities. *Bioorg Chem.* 2020 Dec;105:104423.

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

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