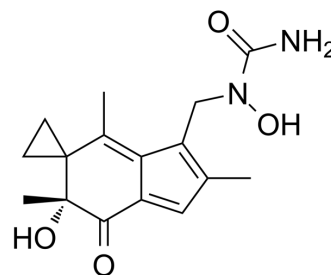


LP-184

Cat. No.:	HY-139453
CAS No.:	924835-67-6
Molecular Formula:	C ₁₆ H ₂₀ N ₂ O ₄
Molecular Weight:	304.34
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LP-184 (compound 6), an acylfulvene analog, inhibits tumor growth. LP-184 has potent anti-cancer activity in the ovarian, colon, prostate and pancreatic cell lines. (patent WO2007019308A2).								
IC₅₀ & Target	IC ₅₀ : 0.68 μM (HT29); 0.6 μM (OVCAR-3); 16 μM (AsPC-1); 0.14 μM (PC-3)								
In Vitro	LP-184 inhibits the growth of HT29, OVCAR-3, AsPC-1 and PC-3, with GI ₅₀ s of 0.68, 0.6, 16 and 0.14 μM, respectively ^[1] . LP-184 displays IC ₅₀ s of 800nM and 210 nM for anti-cancer activitie in the thymidine incorporation into cellular DNA (2 hour) and Trypan blue (48 hour) assay ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
In Vivo	LP-184 (7.5 and 10 mg/kg; i.p.; 21 day) has potent 15 anti-tumor activity against MV522 tumors, producing 4/6 and 5/5 partial responses, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
	<table border="1"> <tr> <td>Animal Model:</td> <td>Mice (MV522 tumors) ^[1]</td> </tr> <tr> <td>Dosage:</td> <td>7.5 and 10 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.p; 21day</td> </tr> <tr> <td>Result:</td> <td>Effective agent for human anti-tumor therapy.</td> </tr> </table>	Animal Model:	Mice (MV522 tumors) ^[1]	Dosage:	7.5 and 10 mg/kg	Administration:	i.p; 21day	Result:	Effective agent for human anti-tumor therapy.
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Dosage:	7.5 and 10 mg/kg								
Administration:	i.p; 21day								
Result:	Effective agent for human anti-tumor therapy.								

REFERENCES

[1]. Trevor C. McMorris, et al. Illudin analogs useful as anticancer agents. WO2007019308A2.

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

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