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Zuschläge

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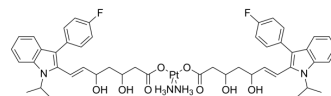
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Fluplatin

Cat. No.:	HY-162410
Molecular Formula:	C ₄₈ H ₅₆ F ₂ N ₄ O ₈ Pt
Molecular Weight:	1050.06
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Fluplatin is a prodrug composed of cisplatin and fluvastatin. Fluplatin has antitumor activity ^[1] .								
In Vitro	The IC ₅₀ values of Fluplatin against H1975, A549 and A549/DDP cells were 2.24, 4.57 and 4.51 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
In Vivo	<p>Fluplatin (10.49 mg/kg, tail vein injection once every three days, a total of 5 times) shows better antitumor activity in H1975 cell subcutaneous tumor model^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>H1975 tumor-bearing mouse model^[1]</td> </tr> <tr> <td>Dosage:</td> <td>10.49 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Tail vein injection, once every three days, a total of 5 times</td> </tr> <tr> <td>Result:</td> <td>Upregulated the expression of cleaved caspase-3. Reduced the cholesterol level in tumor tissue.</td> </tr> </table>	Animal Model:	H1975 tumor-bearing mouse model ^[1]	Dosage:	10.49 mg/kg	Administration:	Tail vein injection, once every three days, a total of 5 times	Result:	Upregulated the expression of cleaved caspase-3. Reduced the cholesterol level in tumor tissue.
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REFERENCES

[1]. Bi YY, et al. Nanoparticles targeting mutant p53 overcome chemoresistance and tumor recurrence in non-small cell lung cancer. Nat Commun. 2024 Mar 29;15(1):2759.

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

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