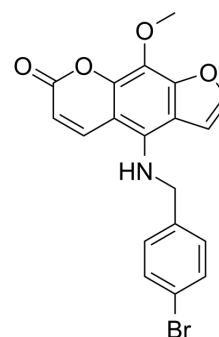


Anticancer agent 78

Cat. No.:	HY-151119
Molecular Formula:	C ₁₉ H ₁₄ BrNO ₄
Molecular Weight:	400.22
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anticancer agent 78 is a potent anticancer agent. Anticancer agent 78 shows cytotoxicity. Anticancer agent 78 exhibits anti-aromatase activity with an IC ₅₀ value of 0.9 μM. Anticancer agent 78 has the potential for the research of breast cancer ^[1] .								
IC₅₀ & Target	Aromatase								
In Vitro	<p>Anticancer agent 78 (compound 4b) shows cytotoxicity against MDA-MB-231, T47-D cells with IC₅₀s of 94.35, 10.39 μM, respectively^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Cytotoxicity Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>MDA-MB-231, T47-D cells</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 h</td> </tr> <tr> <td>Result:</td> <td>Showed cytotoxicity against MDA-MB-231, T47-D cells with IC₅₀s of 94.35, 10.39 μM, respectively.</td> </tr> </table>	Cell Line:	MDA-MB-231, T47-D cells	Concentration:	0-100 μM	Incubation Time:	48 h	Result:	Showed cytotoxicity against MDA-MB-231, T47-D cells with IC ₅₀ s of 94.35, 10.39 μM, respectively.
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REFERENCES

[1]. Aekrungrueangkit C, et al. Novel psoralen derivatives as anti-breast cancer agents and their light-activated cytotoxicity against HER2 positive breast cancer cells. Sci Rep. 2022 Aug 5;12(1):13487.

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

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