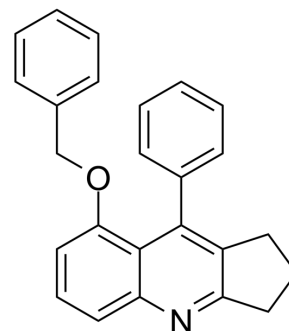


Anticancer agent 74

Cat. No.:	HY-147968
CAS No.:	2242503-82-6
Molecular Formula:	C ₂₅ H ₂₁ NO
Molecular Weight:	351.44
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anticancer agent 74 is a moderate anticancer agent. Anticancer agent 74 has lower selectivity and cytotoxicity than doxorubicin to normal cell ^[1] .								
In Vitro	<p>Anticancer agent 74 has low cytotoxicity in HepG2 (IC₅₀: 72.27 μM), A549 (IC₅₀: 70.79 μM), HuCCA-1 (IC₅₀: 70.42 μM) and MOLT-3 (IC₅₀: 20.71 μM) cell lines. Anticancer agent 74 has low selectivity in HepG2 (IC₅₀: 0.88 μM), A549 (IC₅₀: 5.08 μM), HuCCA-1 (IC₅₀: 5.11 μM) and MOLT-3 (IC₅₀: 17.39 μM) cell lines^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Cytotoxicity Assay</p> <table><tr><td>Cell Line:</td><td>A549, HuCCA-1, HepG2 and MOLT-3 cell lines</td></tr><tr><td>Concentration:</td><td></td></tr><tr><td>Incubation Time:</td><td></td></tr><tr><td>Result:</td><td>Had good cytotoxicity, low selectivity and cytotoxicity in all four primary cancer cell lines.</td></tr></table>	Cell Line:	A549, HuCCA-1, HepG2 and MOLT-3 cell lines	Concentration:		Incubation Time:		Result:	Had good cytotoxicity, low selectivity and cytotoxicity in all four primary cancer cell lines.
Cell Line:	A549, HuCCA-1, HepG2 and MOLT-3 cell lines								
Concentration:									
Incubation Time:									
Result:	Had good cytotoxicity, low selectivity and cytotoxicity in all four primary cancer cell lines.								

REFERENCES

[1]. Bhornrawin Akkachairin, et al. Synthesis of neocryptolepines and carbocycle-fused quinolines and evaluation of their anticancer and antiparasitic activities, Bioorg Chem. 2020 May;98:103732.

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

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