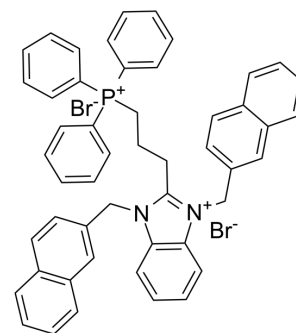


Anticancer agent 52

| | |
|--------------------|---|
| Cat. No.: | HY-146406 |
| CAS No.: | 2388983-64-8 |
| Molecular Formula: | C ₅₀ H ₄₃ Br ₂ N ₂ P |
| Molecular Weight: | 862.67 |
| Target: | Apoptosis |
| Pathway: | Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | | | | | | | | |
|--------------------|---|------------|-------------|----------------|--------|------------------|-----------|---------|--|
| Description | Anticancer agent 52 is a potent anticancer agent. Anticancer agent 52 shows in vitro cytotoxicity. Anticancer agent 52 induces apoptosis. Anticancer agent 52 shows antitumor effect. Anticancer agent 52 has the potential for the research of bladder cancer ^[1] . | | | | | | | | |
| In Vitro | <p>Anticancer agent 52 (compound TPP1) (0-2048 μM) shows cytotoxicity with IC₅₀s of 200, 200, 150, 200, 240, 80 μM for 5637, RT112, RT4, SWT80, TCCSUP, UMUC3 cells, respectively^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Apoptosis Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>RT112 cells</td> </tr> <tr> <td>Concentration:</td> <td>200 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>1, 2, 4 h</td> </tr> <tr> <td>Result:</td> <td>Induced apoptosis with the increased the expression of c-PARP.</td> </tr> </table> | Cell Line: | RT112 cells | Concentration: | 200 μM | Incubation Time: | 1, 2, 4 h | Result: | Induced apoptosis with the increased the expression of c-PARP. |
| Cell Line: | RT112 cells | | | | | | | | |
| Concentration: | 200 μM | | | | | | | | |
| Incubation Time: | 1, 2, 4 h | | | | | | | | |
| Result: | Induced apoptosis with the increased the expression of c-PARP. | | | | | | | | |

REFERENCES

[1]. Stromyer ML, et al. Synthesis, characterization, and biological activity of a triphenylphosphonium-containing imidazolium salt against select bladder cancer cell lines. *Eur J Med Chem.* 2020 Jan 1;185:111832.

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

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