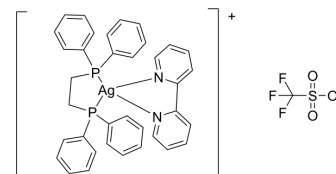


## [Ag(2,2'-bipy)(dppe)][CF<sub>3</sub>SO<sub>3</sub>]

<b>Cat. No.:</b>	HY-157974
<b>Molecular Formula:</b>	C <sub>37</sub> H <sub>32</sub> AgF <sub>3</sub> N <sub>2</sub> O <sub>3</sub> P <sub>2</sub> S <sup>-</sup>
<b>Molecular Weight:</b>	811.54
<b>Target:</b>	Apoptosis
<b>Pathway:</b>	Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	[Ag(2,2'-bipy)(dppe)][CF <sub>3</sub> SO <sub>3</sub> ] (compound 4) can induce cell paraptosis, and can be used for study of resistant ovarian cancer <sup>[1]</sup> .																
In Vitro	<p>[Ag(2,2'-bipy)(dppe)][CF<sub>3</sub>SO<sub>3</sub>] (compound 4) (0-10 μM, 72 h) inhibits cell growth of SK-OV-3, SK-OV-3/CBP, HCT116 WT and HCT116 WT/OxR with the IC<sub>50</sub> values of 6.8 μM, 5.48 μM, 0.70 μM and 0.65 μM, respectively<sup>[1]</sup>.</p> <p>[Ag(2,2'-bipy)(dppe)][CF<sub>3</sub>SO<sub>3</sub>] (10 μM, 24 h) induces cell apoptosis of SK-OV-3 and MES-OV cells<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>SK-OV-3, SK-OV-3/CBP, HCT116 WT and HCT116 WT/OxR cells.</td> </tr> <tr> <td>Concentration:</td> <td>0-10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>72 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited cell growth with the IC<sub>50</sub> values of 6.8 μM, 5.48 μM, 0.70 μM and 0.65 μM of SK-OV-3, SK-OV-3/CBP, HCT116 WT and HCT116 WT/OxR, respectively.</td> </tr> </table> <p>Apoptosis Analysis<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>SK-OV-3 and MES-OV cells</td> </tr> <tr> <td>Concentration:</td> <td>10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Induced cell apoptosis.</td> </tr> </table>	Cell Line:	SK-OV-3, SK-OV-3/CBP, HCT116 WT and HCT116 WT/OxR cells.	Concentration:	0-10 μM	Incubation Time:	72 h	Result:	Inhibited cell growth with the IC <sub>50</sub> values of 6.8 μM, 5.48 μM, 0.70 μM and 0.65 μM of SK-OV-3, SK-OV-3/CBP, HCT116 WT and HCT116 WT/OxR, respectively.	Cell Line:	SK-OV-3 and MES-OV cells	Concentration:	10 μM	Incubation Time:	24 h	Result:	Induced cell apoptosis.
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### REFERENCES

[1]. Teixeira RG, et al. Paraptotic Cell Death as an Unprecedented Mode of Action Observed for New Bipyridine-Silver(I) Compounds Bearing Phosphane Coligands. J Med Chem. Published online February 24, 2024.

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

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