



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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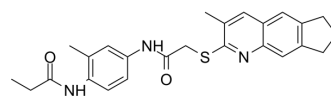
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## FKBP51-Hsp90-IN-2

<b>Cat. No.:</b>	HY-158131
<b>CAS No.:</b>	601511-07-3
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>27</sub> N <sub>3</sub> O <sub>2</sub> S
<b>Molecular Weight:</b>	433.57
<b>Target:</b>	FKBP; HSP
<b>Pathway:</b>	Apoptosis; Autophagy; Immunology/Inflammation; Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	FKBP51-Hsp90-IN-2 (Compound E08) is a selective FKBP51-Hsp90 protein-protein interaction inhibitor with IC <sub>50</sub> values of 0.4 μM and 5 μM for FKBP51 and FKBP52, respectively. FKBP51-Hsp90-IN-2 also effectively stimulates cellular energy metabolism and neurite growth. FKBP51-Hsp90-IN-2 can be used in research on neurodegenerative diseases and cancer <sup>[1]</sup> .																
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 0.4 μM (FKBP51); 5 μM (FKBP52) <sup>[1]</sup> .																
<b>In Vitro</b>	<p>FKBP51-Hsp90-IN-2 (3-30 μM; 48 h) inhibits Hsp90's association with FKBP51 in HEK293 cells<sup>[1]</sup>.</p> <p>FKBP51-Hsp90-IN-2 (10 μM; 1-4 h) increases cellular energy metabolism in HEK293 cells<sup>[1]</sup>.</p> <p>FKBP51-Hsp90-IN-2 stimulates neurite outgrowth in differentiated neuroblastoma SH-SY5Y 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>HEK293 cells</td> </tr> <tr> <td>Concentration:</td> <td>10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>1, 2, 4 h</td> </tr> <tr> <td>Result:</td> <td>Increased cell viability measured by MTT assay by 10-25%.</td> </tr> </table> <p>Western Blot Analysis<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>HEK293 cells</td> </tr> <tr> <td>Concentration:</td> <td>3, 10, 30 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited FKBP51-Hsp90 protein-protein interaction.</td> </tr> </table>	Cell Line:	HEK293 cells	Concentration:	10 μM	Incubation Time:	1, 2, 4 h	Result:	Increased cell viability measured by MTT assay by 10-25%.	Cell Line:	HEK293 cells	Concentration:	3, 10, 30 μM	Incubation Time:	48 h	Result:	Inhibited FKBP51-Hsp90 protein-protein interaction.
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### REFERENCES

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

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