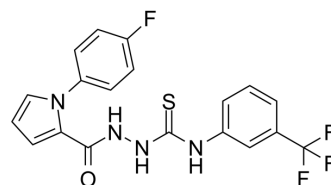


SEW84

Cat. No.:	HY-152184
CAS No.:	259089-67-3
Molecular Formula:	C ₁₉ H ₁₄ F ₄ N ₄ OS
Molecular Weight:	422.4
Target:	HSP
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

IC₅₀ & Target	IC ₅₀ : 0.3 μM (ASH); 1.3 μM (GR-dependent luciferase expression); 0.7 μM (AR-dependent luciferase expression) ^[1]																								
In Vitro	<p>SEW84 (5 μM) shows complete inhibition of ASH activity with an IC₅₀ value of 0.3 μM^[1].</p> <p>SEW84 inhibited the GR- and AR-dependent luciferase expression with IC₅₀ values of 1.3 and 0.7 μM, respectively^[1].</p> <p>SEW84 (0-20 μM) inhibits the Hsp90-Dependent folding of firefly luciferase^[1].</p> <p>SEW84 (0, 3, 10, 30 μM; 24 h) specifically clears phosphorylated tau^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Western Blot Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>tau-0N4R-HeLa cells</td> </tr> <tr> <td>Concentration:</td> <td>0, 3, 10, 30 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Reduced the expression of phospho-Tau.</td> </tr> </table> <p>Immunofluorescence^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>RFP-tau-0N4R HEK cells</td> </tr> <tr> <td>Concentration:</td> <td>1, 10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Completely abrogated the aggregation of tau.</td> </tr> </table> <p>Cell Proliferation Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>LNCaP and 22Rv1 cells</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Observed a synergistic decrease in LNCaP cell proliferation when combined 1 μM GA with</td> </tr> </table>	Cell Line:	tau-0N4R-HeLa cells	Concentration:	0, 3, 10, 30 μM	Incubation Time:	24 h	Result:	Reduced the expression of phospho-Tau.	Cell Line:	RFP-tau-0N4R HEK cells	Concentration:	1, 10 μM	Incubation Time:	24 h	Result:	Completely abrogated the aggregation of tau.	Cell Line:	LNCaP and 22Rv1 cells	Concentration:	0-100 μM	Incubation Time:	24 h	Result:	Observed a synergistic decrease in LNCaP cell proliferation when combined 1 μM GA with
Cell Line:	tau-0N4R-HeLa cells																								
Concentration:	0, 3, 10, 30 μM																								
Incubation Time:	24 h																								
Result:	Reduced the expression of phospho-Tau.																								
Cell Line:	RFP-tau-0N4R HEK cells																								
Concentration:	1, 10 μM																								
Incubation Time:	24 h																								
Result:	Completely abrogated the aggregation of tau.																								
Cell Line:	LNCaP and 22Rv1 cells																								
Concentration:	0-100 μM																								
Incubation Time:	24 h																								
Result:	Observed a synergistic decrease in LNCaP cell proliferation when combined 1 μM GA with																								

10 μ M SEw84.

REFERENCES

[1]. Jay K Singh, et al. Management of Hsp90-Dependent Protein Folding by Small Molecules Targeting the Aha1 Co-Chaperone. Cell Chem Biol. 2020 Mar 19;27(3):292-305.e6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA