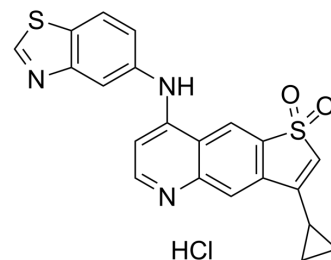


RIPK3-IN-2

Cat. No.:	HY-148052
CAS No.:	2665669-32-7
Molecular Formula:	C ₂₁ H ₁₆ ClN ₃ O ₂ S ₂
Molecular Weight:	441.95
Target:	RIP kinase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	RIPK3-IN-2 is a RIP3 inhibitor. RIPK3-IN-2 can be used in diseases caused by or associate with activated necrotic pathways research ^[1] .																								
In Vitro	<p>RIPK3-IN-2 (0.3-20 μM; 42 h) inhibits HT-29 cell growth^[1].</p> <p>RIPK3-IN-2 (0.3-20 μM; 14 h) inhibits MEF cell growth^[1].</p> <p>RIPK3-IN-2 (0.3-20 μM; 18 h) inhibits L929 cell growth^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>HT-29 cells</td> </tr> <tr> <td>Concentration:</td> <td>0.3, 1.0, 3.0, 10.0, 20.0 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>42 hours</td> </tr> <tr> <td>Result:</td> <td>Showed EC₅₀ value of 0.085 μM.</td> </tr> </table> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>MEF cells</td> </tr> <tr> <td>Concentration:</td> <td>0.3, 1.0, 3.0, 10.0, 20.0 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>14 hours</td> </tr> <tr> <td>Result:</td> <td>Showed EC₅₀ value of 0.24 μM.</td> </tr> </table> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>L929 cells</td> </tr> <tr> <td>Concentration:</td> <td>0.3, 1.0, 3.0, 10.0, 20.0 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>18 hours</td> </tr> <tr> <td>Result:</td> <td>Showed EC₅₀ value of 0.21 μM.</td> </tr> </table>	Cell Line:	HT-29 cells	Concentration:	0.3, 1.0, 3.0, 10.0, 20.0 μM	Incubation Time:	42 hours	Result:	Showed EC ₅₀ value of 0.085 μM.	Cell Line:	MEF cells	Concentration:	0.3, 1.0, 3.0, 10.0, 20.0 μM	Incubation Time:	14 hours	Result:	Showed EC ₅₀ value of 0.24 μM.	Cell Line:	L929 cells	Concentration:	0.3, 1.0, 3.0, 10.0, 20.0 μM	Incubation Time:	18 hours	Result:	Showed EC ₅₀ value of 0.21 μM.
	Cell Line:	HT-29 cells																							
	Concentration:	0.3, 1.0, 3.0, 10.0, 20.0 μM																							
	Incubation Time:	42 hours																							
	Result:	Showed EC ₅₀ value of 0.085 μM.																							
	Cell Line:	MEF cells																							
	Concentration:	0.3, 1.0, 3.0, 10.0, 20.0 μM																							
	Incubation Time:	14 hours																							
	Result:	Showed EC ₅₀ value of 0.24 μM.																							
	Cell Line:	L929 cells																							
	Concentration:	0.3, 1.0, 3.0, 10.0, 20.0 μM																							
	Incubation Time:	18 hours																							
Result:	Showed EC ₅₀ value of 0.21 μM.																								

REFERENCES

[1]. Xiaohu Zhang, et al. Heteroaryl compounds as inhibitors of programmed necrosis pathway, composition and method using the same. WO2021138694A1

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