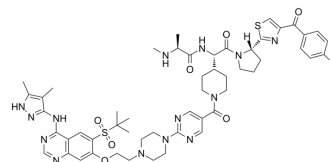


RIPK2-IN-2

| | |
|--------------------|---|
| Cat. No.: | HY-147235 |
| CAS No.: | 2143956-20-9 |
| Molecular Formula: | C ₅₃ H ₆₅ FN ₁₄ O ₇ S ₂ |
| Molecular Weight: | 1093.3 |
| Target: | RIP kinase; PROTACs |
| Pathway: | Apoptosis; PROTAC |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | | | | | | | | |
|--------------------|--|------------|------------|----------------|------|------------------|------|---------|---|
| Description | RIPK2-IN-2 (example 25) is a RIP2 kinase PROTAC inhibitor. RIPK2-IN-2 can block RIP2-dependent proinflammatory signaling, regulated RIP2 kinase activity in auto inflammatory diseases ^[1] . | | | | | | | | |
| In Vitro | <p>RIPK2-IN-2 (example 25) can simultaneously bind RIP2 kinase and an E3 ubiquitin ligase (VHL), which promotes ubiquitination of RIP2 Kinase and leads to RIP2 kinase degradation by the proteasome. through proteolysis targeting chimeric molecules PROTACs technology, RIPK2-IN-2 (example 25) can promotes ubiquitination of RIP2 Kinase and degrade RIP2 kinase with the concentrations of RIPK2-IN-2 1 μM^[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>THP1 cells</td> </tr> <tr> <td>Concentration:</td> <td>1 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>12 h</td> </tr> <tr> <td>Result:</td> <td>Displayed > 80% degradation of RIP2 at concentrations 1 μM.</td> </tr> </table> | Cell Line: | THP1 cells | Concentration: | 1 μM | Incubation Time: | 12 h | Result: | Displayed > 80% degradation of RIP2 at concentrations 1 μM. |
| Cell Line: | THP1 cells | | | | | | | | |
| Concentration: | 1 μM | | | | | | | | |
| Incubation Time: | 12 h | | | | | | | | |
| Result: | Displayed > 80% degradation of RIP2 at concentrations 1 μM. | | | | | | | | |

REFERENCES

[1]. Conjugates comprising ripk2 inhibitors, WO2017182418 (example 25)

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