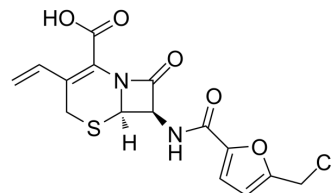


SPOP-IN-2

Cat. No.:	HY-161251
CAS No.:	3031640-86-2
Molecular Formula:	C ₁₅ H ₁₃ ClN ₂ O ₅ S
Molecular Weight:	368.79
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SPOP-IN-2 (compound E1) is a Speckle-type POZ protein (SPOP) inhibitor with IC ₅₀ of 0.58 μM, which disrupt the SPOP-substrate interaction and selectively inhibits proliferation of ccRCC ^[1] .								
In Vitro	<p>SPOP-IN-2 (0-40 μM) binds to SPOP^{MATH} protein through competition with puc-SBC1 peptide, disrupts the interaction between SPOP^{MATH} and Myc-PTEN or Myc-DUSP7^[1].</p> <p>SPOP-IN-2 (0-50 μM) selectively inhibits the colony formation of ccRCC in cell lines OS-RC-2, 786-O, A498, and 769-P^[1]. 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>293T</td> </tr> <tr> <td>Concentration:</td> <td>0-40 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>2 h</td> </tr> <tr> <td>Result:</td> <td>Decreased Myc-PTEN and Myc-DUSP7 in a dose-dependent manner.</td> </tr> </table>	Cell Line:	293T	Concentration:	0-40 μM	Incubation Time:	2 h	Result:	Decreased Myc-PTEN and Myc-DUSP7 in a dose-dependent manner.
Cell Line:	293T								
Concentration:	0-40 μM								
Incubation Time:	2 h								
Result:	Decreased Myc-PTEN and Myc-DUSP7 in a dose-dependent manner.								

REFERENCES

[1]. Zhou C, et al., Synthesis and Biological Evaluation of β-Lactam Derivatives Targeting Speckle-Type POZ Protein (SPOP). ACS Med Chem Lett. 2024 Jan 25;15(2):270-279.

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