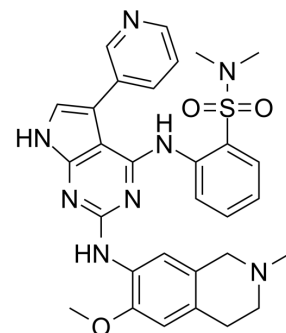


HPK1-IN-35

Cat. No.:	HY-149232
CAS No.:	2935903-77-6
Molecular Formula:	C ₃₀ H ₃₂ N ₈ O ₃ S
Molecular Weight:	584.69
Target:	MAP4K
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HPK1-IN-35 is a potent and selective HPK1 inhibitor with an IC ₅₀ value of 3.5 nM. HPK1-IN-35 decreases the expression of p-SLP76 and promotes IL-2 secretion ^[1] .								
IC₅₀ & Target	HPK1 3.5 nM (IC ₅₀)								
In Vitro	<p>HPK1-IN-35 (compound 31) (0.1, 0.3, 1, 3 μM; 1 h) decreases the expression of p-SLP76 stimulated by anti-CD3 antibody (1 μg/mL) in a dose-dependent manner^[1].</p> <p>HPK1-IN-35 (0-10 μM; 24 h) promotes IL-2 secretion in Jurkat cells in a dose-dependent manner with EC₅₀ values of 1.19 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>Jurkat cells</td> </tr> <tr> <td>Concentration:</td> <td>0.1, 0.3, 1, 3 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>1 h</td> </tr> <tr> <td>Result:</td> <td>Dose-dependently suppressed the phosphorylation of SLP76 stimulated by anti-CD3 antibody in Jurkat cells with IC₅₀ values of 1.04 μM.</td> </tr> </table>	Cell Line:	Jurkat cells	Concentration:	0.1, 0.3, 1, 3 μM	Incubation Time:	1 h	Result:	Dose-dependently suppressed the phosphorylation of SLP76 stimulated by anti-CD3 antibody in Jurkat cells with IC ₅₀ values of 1.04 μM.
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Concentration:	0.1, 0.3, 1, 3 μM								
Incubation Time:	1 h								
Result:	Dose-dependently suppressed the phosphorylation of SLP76 stimulated by anti-CD3 antibody in Jurkat cells with IC ₅₀ values of 1.04 μM.								

REFERENCES

[1]. Feifei Wu, et al. Discovery of 7H-Pyrrolo[2,3-d]pyrimidine Derivatives as potent hematopoietic progenitor kinase 1 (HPK1) inhibitors. *European Journal of Medicinal Chemistry*. 2023, 254: 115355.

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

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