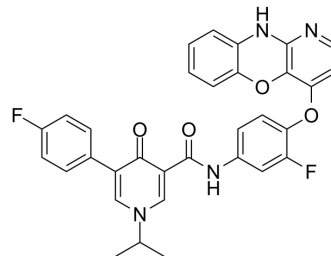


AXL-IN-14

Cat. No.:	HY-152075
CAS No.:	2947506-65-0
Molecular Formula:	C ₃₂ H ₂₄ F ₂ N ₄ O ₄
Molecular Weight:	566.55
Target:	TAM Receptor
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AXL-IN-14 is a potent and orally active AXL inhibitor with an IC ₅₀ value of 0.8 nM. AXL-IN-14 inhibits Gas6/AXL-mediated cell migration and invasion. AXL-IN-14 decreases the expression of p-AXL and p-AKT proteins. AXL-IN-14 shows anti-tumor activity ^[1] .								
IC₅₀ & Target	IC ₅₀ : 0.8 nM (AXL) ^[1]								
In Vitro	<p>AXL-IN-14 (0.2, 1, 5 nM; 1 h) decreases the expression of p-AXL and p-AKT protein levels in a dose-dependent manner^[1]. AXL-IN-14 (72 h) shows antiproliferative activity with an IC₅₀ value of 21.8 nM for EBC-1 Cells^[1]. AXL-IN-14 (20, 100 nM; 24 h) inhibits Gas6/AXL-mediated cell migration and invasion in H1299 and SNU449 cells^[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>BaF3/TEL-AXL cells</td> </tr> <tr> <td>Concentration:</td> <td>0.2, 1, 5 nM</td> </tr> <tr> <td>Incubation Time:</td> <td>1 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited the expression of p-AXL and p-AKT protein level in a dose-dependent manner.</td> </tr> </table>	Cell Line:	BaF3/TEL-AXL cells	Concentration:	0.2, 1, 5 nM	Incubation Time:	1 h	Result:	Inhibited the expression of p-AXL and p-AKT protein level in a dose-dependent manner.
Cell Line:	BaF3/TEL-AXL cells								
Concentration:	0.2, 1, 5 nM								
Incubation Time:	1 h								
Result:	Inhibited the expression of p-AXL and p-AKT protein level in a dose-dependent manner.								
In Vivo	<p>AXL-IN-14 (1, 10 mg/kg; p.o.; once daily for 11 days) shows anti-tumor activity in nude mouse^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Nude mice (BaF3/TEL-AXL xenograft model)^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1, 10 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>P.o.; once daily for 11 days</td> </tr> <tr> <td>Result:</td> <td>Significantly suppressed tumor growth.</td> </tr> </table>	Animal Model:	Nude mice (BaF3/TEL-AXL xenograft model) ^[1]	Dosage:	1, 10 mg/kg	Administration:	P.o.; once daily for 11 days	Result:	Significantly suppressed tumor growth.
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Dosage:	1, 10 mg/kg								
Administration:	P.o.; once daily for 11 days								
Result:	Significantly suppressed tumor growth.								

REFERENCES

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

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