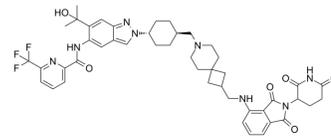


KTX-612

Cat. No.:	HY-148277
CAS No.:	2573298-14-1
Molecular Formula:	C ₄₆ H ₅₁ F ₃ N ₈ O ₆
Molecular Weight:	868.94
Target:	IRAK
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	KTX-612 is an orally active IRAK4 degrader with a DC ₅₀ value of 7 nM. KTX-612 can be used for the research of oncology ^[1] .							
IC₅₀ & Target	IRAK4 7 nM (DC50)							
In Vitro	KTX-612 has activity for IRAK4 with a DC ₅₀ value of 7 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.							
In Vivo	KTX-612 (oral; 10 mg/kg) impacts oral absorption ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.							
	Animal Model:	Rat ^[1]						
	Dosage:	10 mg/kg						
	Administration:	Oral						
	Result:	<table border="1"> <thead> <tr> <th>Rat PO PK (10 mg/kg)</th> <th>KTX-612</th> </tr> </thead> <tbody> <tr> <td>%F</td> <td>1</td> </tr> <tr> <td>AUC(μM*hr)</td> <td>0.060</td> </tr> </tbody> </table>	Rat PO PK (10 mg/kg)	KTX-612	%F	1	AUC(μM*hr)	0.060
Rat PO PK (10 mg/kg)	KTX-612							
%F	1							
AUC(μM*hr)	0.060							

REFERENCES

[1]. Discovery and characterization of IRAKIMiDs: degraders targeting both IRAK4 and IMiD substrates for oncology indications.

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

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