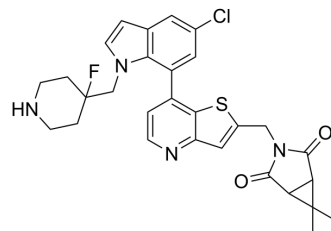


USP7-IN-12

Cat. No.:	HY-153942
CAS No.:	2763698-01-5
Molecular Formula:	C ₂₉ H ₂₈ ClFN ₄ O ₂ S
Molecular Weight:	551.07
Target:	Deubiquitinase
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	USP7-IN-12 (compound 1) is a potent and orally active Usp7 inhibitor with an IC ₅₀ value of 3.67 nM. USP7-IN-12 shows antiproliferative activity ^[1] .
IC₅₀ & Target	USP7 3.67 nM (IC ₅₀)
In Vitro	USP7-IN-12 (compound 1) (72 h) shows antiproliferative activity with an IC ₅₀ value of 69.5 nM for RS4;11 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	USP7-IN-12 (5 mg/kg; p.o.) shows good pharmacokinetic data with T _{1/2} of 3.68 h, T _{max} of 3.33 h, C _{max} of 330 ng/mL and AUC _{0-inf} OF 2014 hr*ng/mL IN male SD rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Deng Hou, et al. Usp7 inhibitor. WO2022048498A1.

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

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