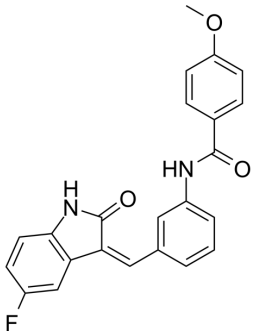
XL44

Cat. No.:	HY-162393
CAS No.:	2637949-91-6
Molecular Formula:	$C_{23}H_{17}FN_2O_3$
Molecular Weight:	388.39
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	XL44, an hRpn13 binder, induces hRpn13-dependent apoptosis and also restricts cell viability by a PCLAF-dependent mechanism. XL44 induces ubiquitin-dependent loss of $hRpn13^{Pru}$ and ubiquitin-independent loss of select KEN box containing proteins[1].
In Vitro	XL44 (20 μM, 4-24 h, lysates from RPMI 8226 cells) induces apoptosis in an hRpn13-dependent manner and reduces hRpn13Pru levels[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis[1].

Cell Line:	Lysates from RPMI 8226 cells.
Concentration:	20 μM.
Incubation Time:	4-24 h.
Result:	Caused a reduction in hRpn13Pru levels in RPMI 8226 WT cells.

REFERENCES

[1]. Xiuxiu Lu, et al. A structure-based designed small molecule depletes hRpn13Pru and a select group of KEN box proteins. Nat Commun. 2024 Mar 20;15(1):2485.

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