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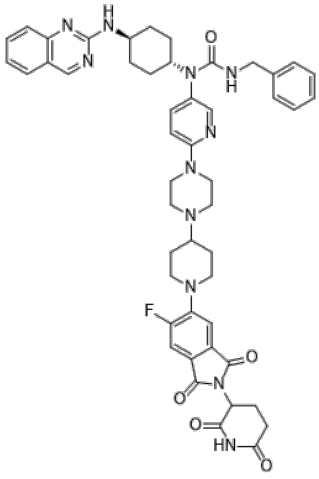
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	YJ1206
Cat. No.	:	PC-23149
CAS No.	:	3053716-98-3
Molecular Formula	:	$C_{49}H_{52}FN_{11}O_5$
Molecular Weight	:	894.03
Target	:	PROTAC
Solubility	:	10 mM in DMSO



Biological Activity

YJ1206 is a selective, orally bioavailable **CDK12/13 PROTAC** degrader, shows potent degradation effects and inhibits VCaP cell viability (IC50=12.5 nM).
YJ1206 demonstrated the best PK properties, with a bioavailability over 39% by oral gavage.
YJ1206 treatment significantly increased the transcripts at the TSSs in VCaP cells, while a distinct reduction toward the TESs of the long genes ATM and ATR was observed in a time-dependent manner.
YJ1206 combined with AKT inhibitors (uprosertib, capivasertib, and MK2206) triggers a synergistic effect in vitro, The combination regimen of CDK12/13 degraders with AKT inhibitors suppresses tumor growth in vivo.

References

Chang Y, et al. ***Cell Rep Med.*** 2024 Sep 21:101752. doi: 10.1016/j.xcrm.2024.101752.

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