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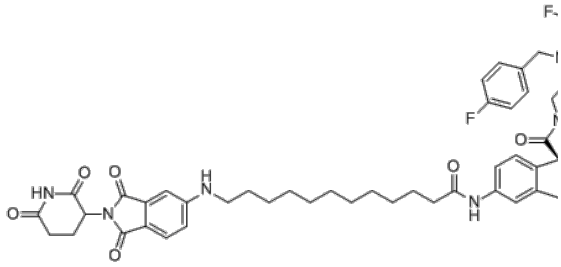
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	JQAD1
Cat. No.	:	PC-20886
CAS No.	:	2417097-18-6
Molecular Formula	:	$C_{48}H_{52}F_4N_6O_9$
Molecular Weight	:	932.97
Target	:	PROTAC
Solubility	:	10 mM in DMSO



CAS: 2417097-18-6

Biological Activity

JQAD1 is a potent, selective PROTAC degrader of **p300**, demonstrate a time-dependent loss of EP300, enhancer acetylation, and transcriptional output in NB cells both in vitro and in vivo.
JQAD1 is selective for EP300 relative to CBP.
JQAD1 (1 uM) rapidly disrupts MYCN expression and causes apoptosis in Kelly NB cells.
JQAD1 causes genome-wide loss of histone H3K27ac enriched at super-enhancers.
JQAD1 (40 mg/kg i.p. daily) causes tumor growth suppression and loss of EP300 in vivo.
JQAD1 has broad CRBN-dependent antineoplastic activity across cancer cell lines.

References

Adam D Durbin, et al. ***Cancer Discov***. 2022 Mar 1;12(3):730-751.

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