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Data Sheet

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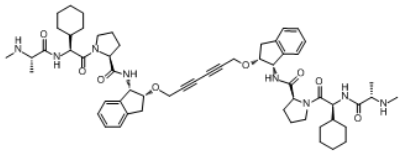
Product Name	:	AZD5582
Cat. No.	:	PC-43119
CAS No.	:	1258392-53-8
Molecular Formula	:	$C_{58}H_{78}N_8O_8$
Molecular Weight	:	1015.289
Target	:	IAP
Solubility	:	DMSO: ≥ 66.25 mg/mL



Biological Activity

AZD5582 is a dimeric Smac mimetic, potent IAP antagonist that binds potently to the BIR3 domains of cIAP1, cIAP2 and XIAP with IC50 of 15, 21and 15 nM, respectively.
AZD5582 causes cIAP1 degradation and induces apoptosis in the MDA-MB-231 breast cancer cell line at subnanomolar concentrations in vitro.
AZD5582 induces cIAP1 degradation and caspase-3 cleavage within tumor cells and causes substantial tumor regressions in MDA-MB-231 xenograft-bearing mice.

References

Hennessy EJ, et al. ***J Med Chem.*** 2013 Dec 27;56(24):9897-919.

Moon JH, et al. ***Oncotarget.*** 2015 Sep 29;6(29):26895-908.

Zhuang J, et al. ***Pharmacol Res Perspect.*** 2014 Dec;2(6):e00081.

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