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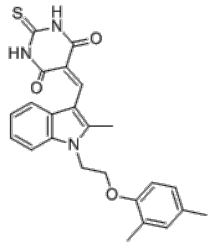
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	ZLDI-8
Cat. No.	:	PC-35373
CAS No.	:	667880-38-8
Molecular Formula	:	$C_{24}H_{23}N_3O_3S$
Molecular Weight	:	433.526
Target	:	Matrix Metalloproteinase (MMP)
Solubility	:	10 mM in DMSO



Biological Activity

ZLDI-8 (IAC-8) is a novel Notch signaling pathway inhibitor for Notch activating/cleaving enzyme **ADAM-17**, significantly decreases the level of NICD and accumulation of NICD in the nucleus.
ZLDI-8 (IAC-8) exhibits cytotoxic acitviity against MHCC97-H cells with IC50 of 5.32 uM, reduces the expression of pro-survival/anti-apoptosis regulators, Survivin and cIAP1/2, also increases the expression of epithelial marker E-Cadherin and reduces mesenchymal markers N-Cadherin and Vimentin in HCC cells.
ZLDI-8 (IAC-8) significantly disrupted the activity of Notch pathway in HCC cells and inhibits the epithelial-mesenchymal transition (EMT) process of HCC cells.
ZLDI-8 (IAC-8) treatment enhances the susceptibility of HCC cells to Sorafenib, Etoposide, and Paclitaxel both in vitro and in vivo.

References

Zhang Y, et al. ***Cell Death Dis.*** 2018 Jul 3;9(7):743.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com