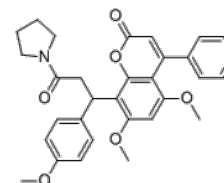


Product Name : CMLD-2
Cat. No. : PC-60911
CAS No. : 958843-91-9
Molecular Formula : C₃₁H₃₁NO₆
Molecular Weight : 513.59
Target : Human Antigen R (HuR)
Solubility : 10 mM in DMSO



Biological Activity

CMLD-2 is a small molecule disruptor of **HuR-mRNA** interaction with *K_i* of 350 nM.

CMLD-2 causes G1 phase cell-cycle arrest and induces apoptosis in NSCLC cells, decreases HuR mRNA and the mRNAs of HuR-regulated proteins (Bcl2 and p27).

CMLD-2 displays cytotoxic selectivity on cancer cells and blocks HuR protein bound to Msi1 and XIAP mRNAs, thereby decreasing target mRNA stability and protein levels as well as inhibiting the Wnt signaling pathway.

References

Muralidharan R, et al. *Sci Rep.* 2017 Aug 30;7(1):9694.

Wu X, et al. *ACS Chem Biol.* 2015 Jun 19;10(6):1476-84.

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

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