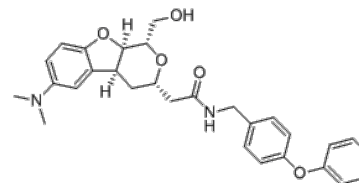


Product Name : BRD0418
Cat. No. : PC-38410
CAS No. : 1565827-99-7
Molecular Formula : C₂₉H₃₂N₂O₅
Molecular Weight : 488.584
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

BRD0418 is a specific small molecule that upregulate **TRIB1** expression and phenocopy the effects of TRIB1 cDNA overexpression (EC₅₀=1 uM, TRIB1 overexpression in HepG2 cells).

BRD0418 modulates expression of the key genes involved in cholesterol and triglyceride biosynthesis (LDLR and TRIB1, PCSK9), VLDL production and in LDL uptake in HepG2 cells.

BRD0418 stimulate uptake of LDL in HepG2 cells, leads to reprogramming of hepatic lipoprotein metabolism from lipogenesis to scavenging.

References

Marek M Nagiec, et al. *PLoS One*. 2015 Mar 26;10(3):e0120295.

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

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