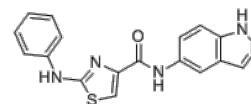


Product Name : GPS167
Cat. No. : PC-73373
CAS No. :
Molecular Formula : C₁₇H₁₃N₅OS
Molecular Weight : 335.385
Target : Cdc2-like Kinase (CLK)
Solubility : 10 mM in DMSO



Biological Activity

GPS167 is a specific small molecule splicing regulator **SRSF10** inhibitor, modulates BCLAF1 splicing with IC₅₀ of 2 uM in human colorectal HCT116 cells, directly inhibits **CLK1**, **CLK2** and **CLK4**, but not SRPK1 and DYRK1A.

GPS167 promotes the dephosphorylation of SRSF10 and changes its interaction with partner proteins.

GPS167 treatment leads to a partial dephosphorylation of SRSF10 and increases the recovery of CLK1 and CLK4.

GPS167 impairs the growth of cancer cell line, elicits p53-dependent cytotoxicity.

GPS167 is cytotoxic for human colorectal cancer organoids but not normal organoids.

References

Muhammad Sohail, et al. **NAR Cancer**. 2021 May 25;3(2):zcab019.

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

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