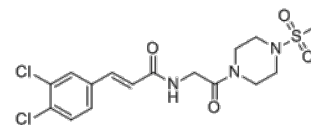


Product Name : SR18662
Cat. No. : PC-73043
CAS No. : 2505001-62-5
Molecular Formula : C₁₆H₁₉Cl₂N₃O₄S
Molecular Weight : 420.305
Target : Kruppel-like Factor (KLF)
Solubility : 10 mM in DMSO



Biological Activity

SR18662 (SR 18662) is a small-molecule compound that inhibits **KLF5** (IC₅₀=4.4 nM), inhibits growth of colorectal cancer in vitro and in vivo.

SR18662 showed improved efficacy in reducing the viability of multiple colorectal cancer cell lines. SR18662 showed an increase in cells captured in either S or G2-M phases of the cell cycle and a significant increase in the number of apoptotic cells, the latter a unique property compared with ML264 or SR15006.

SR18662 treatment also reduces the expression of cyclins and components of the MAPK and WNT signaling pathways. dose-dependent inhibition of xenograft growth in mice following SR18662 treatment that exceeded the effect of ML264 at equivalent doses.

References

Julie Kim, et al. *Mol Cancer Ther.* 2019 Nov;18(11):1973-1984.

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

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