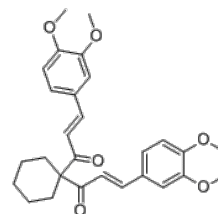


Product Name : FLLL32
Cat. No. : PC-61668
CAS No. : 1226895-15-3
Molecular Formula : C₂₈H₃₂O₆
Molecular Weight : 464.6
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

FLLL32 is a cell-permeable analog of curcumin that inhibits JAK2-mediated phosphorylation of **STAT3** on Tyr705 in cancer cells (IC₅₀=5 uM).

FLLL32 induces apoptosis in pancreatic and breast cancer cell lines.

FLLL32 also inhibit colony formation in soft agar and cell invasion and exhibits synergy with Doxorubicin against breast cancer cells.

FLLL32 decreases STAT3 DNA binding activity and expression, and induces apoptosis in several cancer cell lines.

References

Lin L, et al. **Cancer Res.** 2010 Mar 15;70(6):2445-54.

Bill MA, et al. **Mol Cancer.** 2010 Jun 25;9:165.

Fossey SL, et al. **BMC Cancer.** 2011 Mar 28;11:112.

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

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