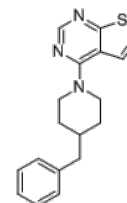


Product Name : ML116
Cat. No. : PC-60659
CAS No. : 744270-00-6
Molecular Formula : C₁₈H₁₉N₃S
Molecular Weight : 309.431
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

ML116 is a selective **STAT3** inhibitor with IC₅₀ of 4.2 μM, does not inhibit STAT1, STAT5, or NFκB signaling pathways (IC₅₀>50 μM).

ML116 inhibits transcription of the STAT3-regulated gene BCL3, selectively induces loss of viability of breast cancer cell lines such as MDA-MB-468 cells.

References

Assi HH, et al. *J Pharmacol Exp Ther.* 2014 Jun;349(3):458-69.

Madoux F, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

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

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