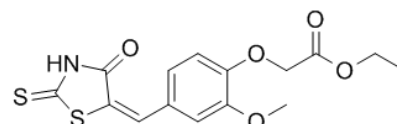


Product Name : IMR-1
Cat. No. : PC-42154
CAS No. : 310456-65-6
Molecular Formula : C₁₅H₁₅NO₅S₂
Molecular Weight : 353.4133
Target : Notch
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

IMR-1 is a small molecule inhibitor of the **Notch** transcriptional activation complex that prevents the recruitment of Maml1 to the Notch Ternary Complex (NTC) on chromatin (IC₅₀=26 uM).

IMR-1 non-covalently binds to intracellular domain of Notch (NICD) with K_d of 11 uM, inhibits Notch target gene transcription and selectively suppresses colony formation of Notch-dependent cell lines.

IMR-1 dramatically inhibits tumor growth in a patient-derived tumor xenograft model.

References

Astudillo L, et al. *Cancer Res*. 2016 Jun 15;76(12):3593-603.

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

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