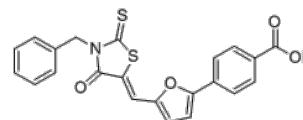


Product Name : Leukadherin-1
Cat. No. : PC-60253
CAS No. : 344897-95-6
Molecular Formula : C₂₂H₁₅NO₄S₂
Molecular Weight : 421.49
Target : Integrin
Solubility : 10 mM in DMSO



Biological Activity

Leukadherin-1 (LA1) is a small molecule allosteric agonist of **integrin CD11b/CD18 (CR3)**, increases CD11b/CD18-dependent cell adhesion to fibrinogen (EC₅₀=4 uM).

Leukadherin 1 reduces IFN-I responses in WT but not CD11b-deficient mice, and protects lupus-prone MRL/Lpr mice from end-organ injury.

Leukadherin 1 reduces TLR-dependent proinflammatory signaling in leukocytes and suppresses IFN-I signaling via an AKT/FOXO3/IFN regulatory factor 3/7 pathway.

References

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Roberts AL, et al. *Clin Exp Immunol*. 2016 Sep;185(3):361-71.

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

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