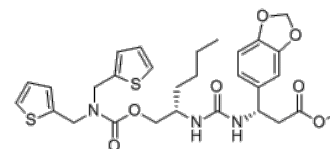


Product Name : THI0019
Cat. No. : PC-38812
CAS No. : 1378532-99-0
Molecular Formula : C₂₉H₃₅N₃O₇S₂
Molecular Weight : 601.733
Target : Integrin
Solubility : 10 mM in DMSO



Biological Activity

THI0019 is a small molecule agonist of the **integrin $\alpha 4 \beta 1$** (very late antigen-4 or VLA-4) with EC₅₀ of 1.7 μ M in cell adhesion assays in which Jurkat cells bound to CS1-conjugated BSA.

THI0019 enhances $\alpha 4 \beta 7$, $\alpha 5 \beta 1$, and $\alpha L \beta 2$ -mediated cell adhesion.

THI0019 does not induce expression of $\alpha 4 \beta 1$ or LIBS epitopes.

THI0019 facilitates cell spreading on VCAM-1, and enhances SDF-1-mediated cell migration.

References

Peter Vanderslice, et al. *J Biol Chem*. 2013 Jul 5;288(27):19414-28.

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

E-mail: tech@probechem.com