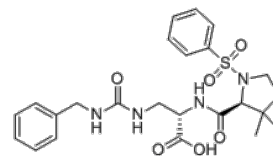


Product Name : TC-I 15
Cat. No. : PC-62071
CAS No. : 916734-43-5
Molecular Formula : C₂₃H₂₈N₄O₆S₂
Molecular Weight : 520.619
Target : Integrin
Solubility : 10 mM in DMSO



Biological Activity

TC-I 15 is a highly potent, selective, allosteric small-molecule inhibitor of **integrin $\alpha 2\beta 1$** with IC₅₀ of 12 nM.

TC-I 15 inhibits adhesion of cells expressing wild-type (WT) and demonstrates no effect on RBL cells expressing an activating I-domain mutation (E318A).

TC-I 15 inhibits an activating cytoplasmic domain mutant [Del(GFFKR)] with an IC₅₀ \approx 4-fold higher than for wild-type integrin $\alpha 2\beta 1$.

TC-I 15 shows efficacious activity in an animal model of arterial thrombosis.

References

Miller MW, et al. *Proc Natl Acad Sci U S A*. 2009 Jan 20;106(3):719-24.

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

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