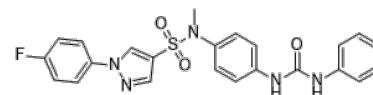


Product Name : BTT-3033
Cat. No. : PC-27620
CAS No. : 1259028-99-3
Molecular Formula : C₂₃H₂₀FN₅O₃S
Molecular Weight : 465.50
Target : Integrin
Solubility : 10 mM in DMSO



Biological Activity

BTT-3033 is a specific small molecule $\alpha 2\beta 1$ integrin (GPIIb/IIIa, VLA-2) inhibitor, inhibits CHO- $\alpha 2$ wt cells adhesion to rat tail collagen I with EC₅₀ of 130 nM, binds to the $\alpha 2$ I domain.
BTT-3033 blocks platelet binding to collagen under flow.
BTT-3033 recognizes different $\alpha 2\beta 1$ integrin conformations.
BTT-3033 blocks CHO- $\alpha 2$ E336A cell binding to collagen under flow.
BTT-3033 attenuates prostate cancer cell proliferation by cell cycle arrest, promoting apoptosis and reducing epithelial-mesenchymal transition.

References

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Sun M, et al. J Am Heart Assoc. 2018 Mar 29;7(7):e007928.
Salemi Z, et al. J Cell Physiol. 2021 Jul;236(7):4954-4965.

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

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