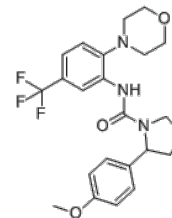


Product Name : ZINC40099027
Cat. No. : PC-73097
CAS No. : 1211825-25-0
Molecular Formula : C₂₃H₂₅F₃N₃O₃
Molecular Weight : 449.47
Target : Focal Adhesion Kinase (FAK)
Solubility : 10 mM in DMSO



Biological Activity

ZINC40099027 is a specific **focal adhesion kinase (FAK)** activator, actually activates FAK at concentrations as low as 10 nM. ZINC40099027 (10–1000 nM) dose-dependently activated FAK phosphorylation, without activating Pyk2-Tyr-402 or Src-Tyr-419.

ZINC40099027 (10 nM) increased FAK-Tyr 397 phosphorylation by 12.9%, 19.1%, 31.1% at 1hr, 6hr, 24hr respectively, in treated migrating Caco-2 cells.

ZINC40099027 stimulates Caco-2 cell monolayer wound closure.

ZINC40099027 dose-dependently increased FAK-Tyr-397 phosphorylation with Emax 36.0% in Caco-2 cells.

ZINC40099027 promotes intestinal mucosal healing in a murine ischemic ulcer model, promotes the healing of indomethacin-induced small intestine injury in mice and does not affect murine kidney and liver morphology.

References

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Rashmi, et al. *Pharmacol Res Perspect.* 2021 Apr;9(2):e00737.
Wang Q, et al. *ACS Med Chem Lett.* 2021 Feb 16;12(3):356-364.
Oncel S, et al. *Cells.* 2021 Apr 15;10(4):908.

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

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