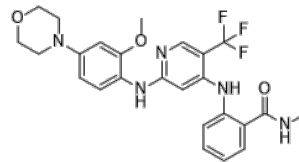


Product Name : VS-4718
Cat. No. : PC-25664
CAS No. : 1061353-68-1
Molecular Formula : C₂₅H₂₆F₃N₅O₃
Molecular Weight : 501.51
Target : Focal Adhesion Kinase (FAK)
Solubility : 10 mM in DMSO



Biological Activity

VS-4718 (PND-1186) is a potent, highly-specific and reversible inhibitor of FAK with IC₅₀ of 1.5 nM, promotes tumor cell apoptosis.

VS-4718 has an IC₅₀ of ~100 nM in breast carcinoma cells as determined by anti-phospho-specific immunoblotting to FAK Tyr-397.

VS-4718 (0.1 μM) blocks FAK and p130Cas tyrosine phosphorylation, promotes caspase-3 activation, and triggers cell apoptosis.

VS-4718 inhibits 4T1 breast carcinoma subcutaneous tumor growth correlated with elevated tumor cell apoptosis and caspase 3 activation.

VS-4718 (150 mg/kg, oral) decreases tumor growth and spontaneous breast to lung metastasis in pre-clinical models.

References

Tanjoni I, et al. Cancer Biol Ther. 2010 May 15;9(10):764-77.

Walsh C, et al. Cancer Biol Ther. 2010 May 15;9(10):778-90.

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

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