

Product Datasheet

VS-4718

Catalog No. **BP-02306** · CAS **1061353-68-1** · Form **free base** · Physical state **solid** · Color **White to gray** · Version **1.0** ·
 Revision **2026-09-10**

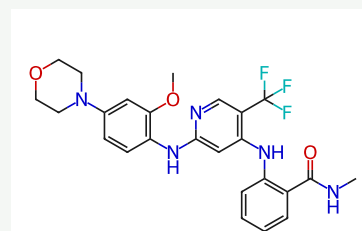
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Target FAK; Apoptosis	Research area Cancer
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Molecular formula **C₂₅H₂₆F₃N₅O₃**

Molecular weight **501.5008**

STRUCTURE



DESCRIPTION

PND-1186 (VS-4718, SR-2156) is a reversible and selective FAK inhibitor with IC₅₀ of 1.5 nM. PND-1186 (VS-4718) selectively promotes tumor cell apoptosis.

BIOLOGICAL ACTIVITY

In Vitro

PND-1186 has an IC₅₀ of ~100 nM in breast carcinoma cells as determined by anti-phospho-specific immunoblotting to FAK Tyr-397.

In murine 4T1 breast carcinoma cells, FAK is important in promoting an invasive and metastatic cell phenotype. Increasing concentrations of PND-1186 (0.1 to 1.0 μM) added to 4T1 cells inhibits FAK Tyr-397 phosphorylation (pY397) and results in elevated levels of total FAK protein within 1 h.

In Vivo

PND-1186 (30 mg/kg or 100 mg/kg; subcutaneously; injected subcutaneously in the neck region) inhibits 4T1 subcutaneous tumor growth by induction of apoptosis.

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Tanjoni, Isabelle et al. PND-1186 FAK inhibitor selectively promotes tumor cell apoptosis in three-dimensional environments. Cancer biology & therapy vol. 9,10 (2010): 764-77.

Lot CoA and SDS are separate documents.