

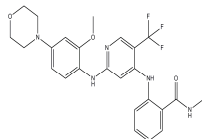
**PRODUCT: PND-1186**

**ALTERNATE NAME:** 2-((2-((2-methoxy-4-morpholinophenyl)amino)-5-(trifluoromethyl)pyridin-4-yl)amino)-N-methylbenzamide; VS-4718; SR-2516; PND 1186; PND1186; SR 2516; SR2516

**CATALOG #:** 2823-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>25</sub>H<sub>26</sub>F<sub>3</sub>N<sub>5</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 501.50

**CAS NUMBER:** 1061353-68-1

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** PND-1186 is a potent FAK (Focal adhesion kinase) inhibitor (IC<sub>50</sub> = 1.5 nM) with potential antineoplastic activity. PND-1186 inhibits FAK, blocks fibronectin-stimulated FAK autophosphorylation of Tyr397, and may prevent the integrin-mediated activation of several downstream signal transduction pathways, including ERK, JNK/MAPK and PI3K/Akt. This results in the reduction of the number of cancer stem cells (CSCs) and inhibits tumor cell migration, proliferation and survival.

**REFERENCES:** Tanjoni, I., *et al.* (2010). *Cancer Biol. Ther.* **9**, 764-777.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

FAK antibody (Cat. No. 3399-100)

Paxillin antibody (Cat. No. 3448-100)

PF-573228 (Cat. No. 2819-10, 50)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**