



LKT Laboratories, Inc.

VS-4718

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Product Information

Product ID V720004

CAS No. 1061353-68-1

Chemical Name VS-4718

Synonym VS-4718, VS 4718, VS4718, SR-2516, SR 2516, SR2516, PND-1186, PND 1186, PND1186

Formula C₂₅H₂₆F₃N₅O₃

Formula Wt. 501.51

Melting Point

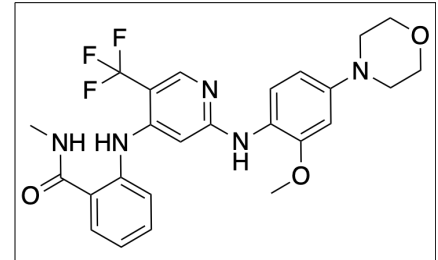
Purity ≥98%

Solubility Insoluble in water.
Solubility in DMSO - 24 mg/mL

Store Temp -20° C

Ship Temp Ambient

Description VS-4718 is an inhibitor of focal adhesion kinase (FAK). It blocks FAK Tyr-397 phosphorylation in vivo and exhibits antitumor activity in orthotopic breast carcinoma models in mice. VS-4718 also significantly reverses ATP-binding cassette transporter ABCB1 and ABCG2-mediated multi-drug resistance. It shows potential in combination with other therapies to overcome multidrug resistance in ABCB1 or ABCG2-overexpressing cancer cells.



Product ID	Size
V720004	5 mg
V720004	25 mg
V720004	100 mg

References Walsh C., Tanjoni I., et al. Oral delivery of PND-1186 FAK inhibitor decreases tumor growth and spontaneous breast to lung metastasis in pre-clinical models. *Cancer Biol Ther.* 9(10):778-90 (2010). PMID: 20234193.

Ji N., Yang Y., et al. VS-4718 Antagonizes Multidrug Resistance in ABCB1- and ABCG2-Overexpressing Cancer Cells by Inhibiting the Efflux Function of ABC Transporters. *Front PHarmacol.* 9:1236 (2018). PMID: 30425643.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.