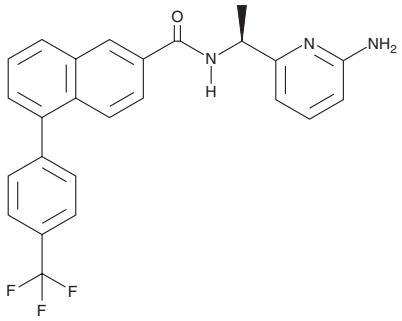
PRODUCT INFORMATION

VT107

Item No. 46238



CAS Registry No.:	2417718-63-7
Formal Name:	N-[(1S)-1-(6-amino-2-pyridinyl) ethyl]-5-[4-(trifluoromethyl)phenyl]-2-naphthalenecarboxamide
MF:	$C_{25}H_{20}F_3N_3O$
FW:	435.4
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

VT107 is supplied as a solid. A stock solution may be made by dissolving the VT107 in the solvent of choice, which should be purged with an inert gas. VT107 is soluble (≥10 mg/ml) in DMSO and sparingly soluble (1-10 mg/ml) in ethanol.

Description

VT107 is an inhibitor of the protein-protein interaction between YAP/TAZ and TEAD1 or TEAD4.[1] It inhibits autopalmitoylation of TEAD1-4 in HEK293 cells expressing the human transcription factors when used at 3 µM and inhibits YAP/TAZ-TEAD transcriptional activity in a cell-based reporter assay (IC_{50} = 4.93 nM). VT107 inhibits the growth of *NF2*-deficient NCI-H2052 and NCI-H2373 mesothelioma and NCI H226 lung cancer cells (IC_{50}s = 20.4, 9.35, and 8.67 nM, respectively) but not wild-type *NF2*-expressing NCI H28, NCI 2452, or MSTO-211H cells (IC_{50}s = 2,790, >3,000, and >3,000 nM, respectively).

Reference

1. Tang, T.T., Konradi, A.W., Feng, Y., *et al.* Small molecule inhibitors of TEAD auto-palmitoylation selectively inhibit proliferation and tumor growth of *NF2*-deficient mesothelioma. *Mol. Cancer Ther.* **20(6),** 986-998 (2021).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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