UNC2250

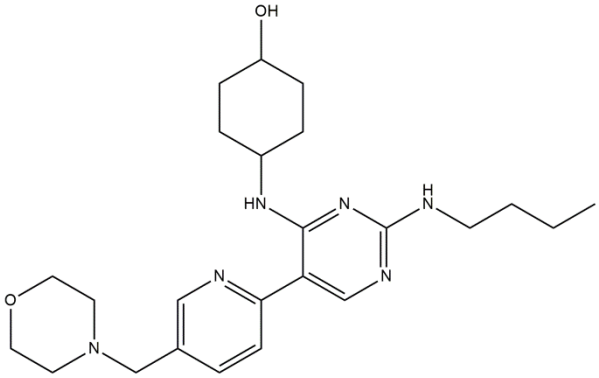
02/21

ALTERNATE NAMES: 4-[[2-(butylamino)-5-[5-(morpholin-4-ylmethyl)pyridin-2-yl]pyrimidin-4-yl]amino]cyclohexan-1-ol; (1R,4r)-4-((2-(butylamino)-5-(5-(morpholinomethyl)pyridin-2-yl)pyrimidin-4-yl)amino)cyclohexanol; trans-4-[[2-(Butylamino)-5-[5-(4-morpholinylmethyl)-2-pyridinyl]-4-pyrimidinyl]amino]-cyclohexanol

CATALOG #:

B3111-5	5 mg
B3111-25	25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{24}H_{36}N_6O_2$

MOLECULAR WEIGHT: 440.58

CAS NUMBER: 1493694-70-4

APPEARANCE: White to off-white solid powder

PURITY: ≥ 98%

SOLUBILITY: ~2 mg/ml in DMSO (may need ultrasonication and gentle warming).
Sparingly soluble in Methanol.

DESCRIPTION: UNC2250 is an inhibitor of Mer receptor tyrosine kinase. It inhibits steady-state phosphorylation of endogenous Mer with an IC_{50} of 9.8 nM. It blocks ligand-stimulated activation of a chimeric EGFR-Mer protein. It also decreases colony-forming potential in rhabdoid and NSCLC tumor cells.

STORAGE TEMPERATURE: -20 ºC. Protect from air. Store under desiccating conditions.

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

REFERENCE: Zhang, W., Zhang, D., Stashko, M.A., et al. Pseudo-cyclization through intramolecular hydrogen bond enables discovery of pyridine substituted pyrimidines as new Mer kinase inhibitors. Journal of Medicinal Chemistry 56(23), 9683-9692 (2013).

RELATED PRODUCTS:

Glesatinib (Cat .No. B2540)
Zanubrutinib (Cat. No. B2512)
SU-6656 (Cat. No. B2334)
UNC2881 (Cat. No. 2837)
UNC-2025 (Cat. No. B1262)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***