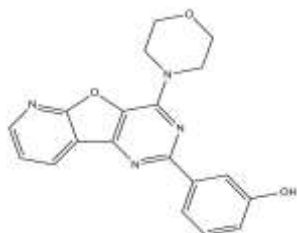


PI-103

CATALOG #: 1728-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



ALTERNATE NAME: 3-(4-(4-Morpholinyl)pyrido[3',2':4,5]furo[3,2-d]pyrimidin-2-yl)phenol

MOLECULAR FORMULA: C₁₉H₁₆N₄O₃

MOLECULAR WEIGHT: 348.36

CAS NUMBER: 371935-74-9

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (50 mM)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C

DESCRIPTION: A cell-permeable, ATP-competitive inhibitor of phosphatidylinositol 3-kinase (PI3K) family members with selectivity toward DNA-PK, PI3K (p110α), and mTOR. The IC₅₀ values are 2, 8, 20, 26, 48, 83, 88, 150 nM for DNA-PK, p110α, mTORC1, PI3-KC2β, p110δ, mTORC2, p110β, and p110γ, respectively. Inhibits growth of human tumor xenografts in mice *in vivo*.

REFERENCE: Knight, Z.A., *et al.* (2006). *Cell* **125**, 733-747; Fan, Q., *et al.* (2006). *Cancer Cell* **9**, 341-349.

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

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

- BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)
- GDC-0941 bismesylate (Cat. No. 1623-1, 5)
- Deforolimus (Cat. No. 1587-5, 25)
- IC87114 (Cat. No. 1661-1)
- LY 294002 (Cat. No. 1667-5, 25)
- PP242 (Cat. No. 1658-1)
- Rapamycin (Cat. No. 1568-5, 50)
- Temsirolimus (Cat. No. 1600-5, 25)
- TGX-115 (Cat. No. 1660-1)
- Wortmannin (Cat. No. 1670-1)
- ZSTK474 (Cat. No. 1597-5, 100)