

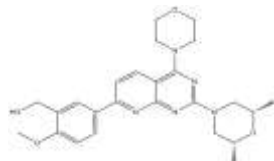
mTOR Inhibitor, Ku-0063794

ALTERNATE NAME: *rel*-5-[2-[(2R,6S)-2,6-Dimethyl-4-morpholinyl]-4-(4-morpholinyl)pyrido[2,3-d]pyrimidin-7-yl]-2-methoxybenzenemethanol

CATALOG #: 1779-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₃₁N₅O₄

MOLECULAR WEIGHT: 465.54

CAS NUMBER: 938440-64-3

APPEARANCE: Pale yellow solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A potent mTOR (mammalian target of rapamycin) inhibitor (IC₅₀ = ~10 nM for mTORC1 and mTORC2, respectively). Displays no activity against PI 3-kinase or 76 other kinases tested.

REFERENCE: Garcia-Martinez, J.M., *et al.* (2009). *Biochem. J.* **421**, 29-42.

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 on 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)
- PI-103 (Cat. No. 1728-1,5)
- PI3-K γ Inhibitor, AS-605240 (Cat. No. 1780-1,5)
- PP242 (Cat. No. 1658-1)
- Rapamycin (Cat. No. 1568-5, 50)
- Temsirolimus (Cat. No. 1600-5, 25)
- TGX-115 (Cat. No. 1660-1)
- TGX-221 (Cat. No. 1781-1,5)
- Wortmannin (Cat. No. 1670-1)