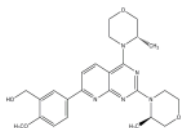


PRODUCT: AZD8055**ALTERNATE NAME:** 5-[2,4-Bis[(3S)-3-methyl-4-morpholinyl]pyrido[2,3-d]pyrimidin-7-yl]-2-methoxybenzenemethanol**CATALOG #:** 2340-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₅H₃₁N₅O₄**MOLECULAR WEIGHT:** 465.54**CAS NUMBER:** 1009298-09-2**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (100 mg/ml)**PURITY:** ≥98% HPLC**STORAGE:** At -20° C. Protect from air and moisture**DESCRIPTION:** A potent, ATP-competitive inhibitor of mTOR kinase (both mTORC1 and mTORC2) with an IC₅₀ of 0.8 nM. AZD8055 displays excellent selectivity (~ 1,000-fold) against all class I PI3K isoforms and other members of the PI3K-like kinase family. In addition, it shows no significant activity against a panel of 260 kinases at concentrations up to 10 μM. AZD8055 inhibits the phosphorylation of mTORC1 substrates p70S6K and 4E-BP1 as well as phosphorylation of the mTORC2 substrate AKT and downstream proteins.**REFERENCES:** Chresta, C.M., *et al.* (2010). *Cancer Res.* **70**, 288-298.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

AS604850 (Cat. No. 2339-1, 5)
BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)
GDC-0941 bismesylate (Cat. No. 1623-1, 5)
Deforolimus (Cat. No. 1587-5, 25)
DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)
GDC-0941 (Cat. No. 1623-1,5)
IC87114 (Cat. No. 1661-1)
LY 294002 (Cat. No. 1667-5, 25)
mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)
PI-103 (Cat. No. 1728-1,5)
PI3-K γ Inhibitor, AS-605240 (Cat. No. 1780-1,5)
PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor panel (Cat. No. K857-11)
PP242 (Cat. No. 1658-1)
PX-866 (Cat. No. 1965-1, 5)
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)
YM201636 (Cat. No. 2045-1, 5)

USAGE: *FOR RESEARCH CH USE ONLY! Not to be used in humans*