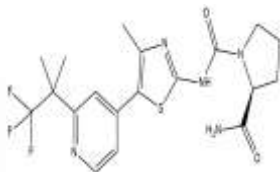


PRODUCT: Alpelisib

ALTERNATE NAME: (S)-N1-(4-methyl-5-(2-(1,1,1-trifluoro-2-methylpropan-2-yl)pyridin-4-yl)thiazol-2-yl)pyrrolidine-1,2-dicarboxamide; BYL719

CATALOG #: B1271-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₉H₂₂F₃N₅O₂S

MOLECULAR WEIGHT: 441.47

CAS NUMBER: 1217486-61-7

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: Alpelisib (also known as BYL719), is a potent and selective phosphatidylinositol-3 kinase α inhibitor. It inhibits P110α, p110β, p110δ, and p110γ with IC₅₀ values of 5 nM, 1.2 μM, 0.29 μM and 0.25 μM, respectively, in biochemical assays. It inhibits the Akt phosphorylation with IC₅₀ values of 74 nM in Rat1-myr-p110α cells, 2.2 μM in Rat1-myr-p110β cells, and 1.2 μM in Rat1-myr-p110δ cells.

REFERENCES: Mayer, I.A., *et al.* (2016). *Clin. Cancer Res.* Apr 28. pii: clincanres.0134.2016. [Epub ahead of print]

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

RELATED PRODUCTS:

APY-0201 (Cat. No. 9564-5,25)

AS-604850 (Cat. No. 2339-1, 5)

BAG956 (Cat.No. 2456-5, 25)

BAY 80-6946 (Cat. No. B1267-5,25)

BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)

CAL-101 (Cat. No. 2613-5, 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)

GSK-263771 (Cat. No. 2793-5, 25)

IC87114 (Cat. No. 1661-1)

IPI-145 (Cat. No. 2445-5, 25)

LY 294002 (Cat. No. 1667-5, 25)

NVP-BKM120 (Cat. No. 2619-5, 25)

mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)

OSU-03012, hydrochloride (Cat. No. 2295-5, 25)

PI-103 (Cat. No. 1728-1,5)

PIK-294 (Cat. No. 2614-5, 25)

PI3-Kγ 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)

SAR260301 (Cat. No. B1263-5,25)

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)

XL147 (Cat. No. 9401-5, 25)

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