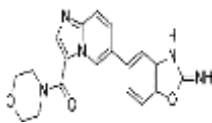


PRODUCT: Serabelisib

ALTERNATE NAMES: [6-(2-amino-5-benzoxazolyl)imidazo[1,2-a]pyridin-3-yl]-4-morpholinyl-methanone; MLN1117, INK1117, TAK-117)

CATALOG NUMBER: B1930-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₉H₁₇N₅O₃

MOLECULAR WEIGHT: 363.34

CAS NUMBER: 1268454-23-4

APPEARANCE: Brown solid

SOLUBILITY: DMSO (~ 1 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Serabelisib is a potent inhibitor of phosphoinositide 3-kinase α (PI3Kα) that is selective for p110α *in vitro* (IC₅₀ = 15 nM for PI3Kα vs. >1 μM for other isoforms, as well as for mTOR). MLN1117 inhibits AKT phosphorylation and growth in PIK3CA mutant breast cancer cells with IC₅₀ values around 2 μM, yet has no effect on cells lacking PTEN.

REFERENCES: So, L., *et al.* (2013). *J. Biol. Chem.* **288**, 5718-5731.

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 USE ONLY! Not to be used in humans**