

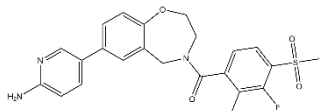
PRODUCT: XL388

ALTERNATE NAMES: XL 388; XL-388; [7-(6-aminopyridin-3-yl)-3,5-dihydro-2H-1,4-benzoxazepin-4-yl]-(3-fluoro-2-methyl-4-methylsulfonylphenyl)methanone

CATALOG#: B1733-1, -5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₂₂FN₃O₄S

MOLECULAR WEIGHT: 455.5

CAS NUMBER: 1251156-08-7

APPEARANCE: Solid powder

SOLUBILITY: DMSO

PURITY: >98%

STORAGE: Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term. Protect from air and light.

DESCRIPTION: XL388 is a potent and selective inhibitor of mTOR with IC50 value of 9.9 nM.

REFERENCES:

1. Nicole Miller. Abstract B146: XL388: A novel, selective, orally bioavailable mTORC1 and mTORC2 inhibitor that demonstrates pharmacodynamic and antitumor activity in multiple human cancer xenograft models. Mol Cancer Ther, 2009, 8(12 Suppl):B146.
2. Takeuchi CS et al. Discovery of a Novel Class of Highly Potent, Selective, ATP-Competitive, and Orally Bioavailable Inhibitors of the Mammalian Target of Rapamycin (mTOR). J Med Chem, 2013, 56(6):2218-34.

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

RELATED PRODUCTS:

- AZD-2014 (Cat. No. 9449-5, 25)
- BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)
- BI-D1870 (Cat. No. 1824-1, 5)
- Deforolimus (Cat. No. 1587-5, 25)
- DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)
- Everolimus (Cat. No. 1917-5, 25)
- GDC-0941 (Cat. No. 1623-1, 5)
- GSK-2126458 (Cat. No. 1961-1, 5)
- IC87114 (Cat. No. 1661-1)
- LY 294002 (Cat. No. 1667-5, 25)
- mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1, 5)
- mTOR Inhibitor, WYE-28 (Cat. No. 2255-500, 1000)
- mTOR Inhibitor, WYE-132 (Cat. No. 2256-500, 1000)
- mTOR Inhibitor, WYE-23 (Cat. No. 2257-500, 1000)
- PI-103 (Cat. No. 1728-1, 5)
- PI3-Ky 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)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Temsirolimus (Cat. No. 1600-5, 25)
- TGX-115 (Cat. No. 1660-1)
- TGX-221 (Cat. No. 1781-1, 5)
- Torin 1 (Cat. No. 2273-5, 25)
- Torin 2 (Cat. No. 2274-5, 25)
- EZSolution™ Torin 1 (Cat. No. 2353-5)
- EZSolution™ Torin 2 (Cat. No. 2354-5)
- Wortmannin (Cat. No. 1670)

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