

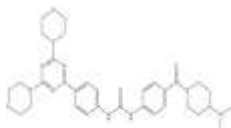
PRODUCT: PF-05212384

ALTERNATE NAME: N-[4-[[4-(Dimethylamino)-1-piperidiny]carbonyl]phenyl]-N-[4-(4,6-di-4-morpholinyl-1,3,5-triazin-2-yl)phenyl]urea; Gedatolisib; PKI-587

CATALOG #: 9461-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₂H₄₁N₉O₄

MOLECULAR WEIGHT: 615.73

CAS NUMBER: 1197160-78-3

APPEARANCE: White solid

SOLUBILITY: DMSO (~ 3 mg/ml with slight warming)

PURITY: ≥98% by HPLC

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

DESCRIPTION: PF-05212384 is a potent, selective and ATP-competitive dual inhibitor of PI 3-kinase/mTOR (IC₅₀ values are 0.4, 1.6 and 5.4 nM for PI 3-Kα, mTOR and PI 3-Kγ respectively). Exhibits selectivity over 234 other protein kinases (IC₅₀ >10 μM). Potently inhibits tumor cell growth in 37 different tumor cell lines (IC₅₀ < 100 nM).

REFERENCES: Venkateshan, A.M., *et al.* (2010). *J. Med.Chem.* **53**, 2636-2645.

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

RELATED PRODUCTS:

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)

OSI-027 (Cat. No. 2372-5, 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-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)

P529 (Cat. No. 2462-5, 25)

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)

XL765 (Cat. No. 2551-5, 25)

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