

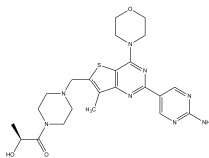
Product: **GDC-0980**

ALTERNATE NAME: (S)-1-(4-((2-(2-aminopyrimidin-5-yl)-7-methyl-4-morpholinothieno[3,2-d]pyrimidin-6-yl)methyl)piperazin-1-yl)-2-hydroxypropan-1-one; RG7422

CATALOG #: 2668-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₃₀N₆O₃S

MOLECULAR WEIGHT: 498.60

CAS NUMBER: 1032754-93-0

APPEARANCE: White solid

SOLUBILITY: DMSO (~20 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: GDC-0980, a selective, potent, orally bioavailable inhibitor of Class I PI3 kinase and mTOR kinase (TORC1/2). It inhibits PI3K $\alpha/\beta/\delta/\gamma$ with IC₅₀ values of 5 nM/27 nM/7 nM/14 nM, respectively and mTOR with Ki of 17 nM. GDC-0980 is highly selective versus others PIKK family kinases. Displays anticancer activity.

REFERENCE: Wallin, J.J., *et al.* (2011). *Mol. Cancer Ther.* 10, 2426-2436.

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-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)
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)

FOR RESEARCH USE ONLY! Not to be used on humans.