

PI3K/Akt/mTOR Signaling Pathway Inhibitor Kit

A unique collection of 9 inhibitors for the study of PI3K/Akt/mTOR signaling pathway

Catalog No. K1020

URL for this product: www.selleckchem.com/kits/pi3k-akt-mtor-inhibitor-kit.html

Catalog No.	Size	Price
K1020	1 ea	USD 800

Product Overview

A unique collection of 9 potent and selective inhibitors for the study of PI3K/Akt/mTOR signaling pathway. This kit contains the following inhibitors:

5 mg of PKI-402 [S2739](#);

5 mg of Rapamycin (Sirolimus) [S1039](#);

50 mg of BEZ235 (NVP-BEZ235) [S1009](#);

5 mg of MK-2206 dihydrochloride [S1078](#);

2 mg of CHIR-99021 (CT99021) [S1263](#);

5 mg of NU7441 (KU-57788) [S2638](#);

5 mg of KU-55933 [S1092](#);

2 mg of BX-912 [S1275](#);

10 mg of AT7867 [S1558](#).

Product Details

Formulation:	A unique collection of 9 inhibitors for the study of PI3K/Akt/mTOR signaling pathway supplied as lyophilized powder		
Container:	Screw Cap Micro Tubes of WATSON		
Stability:	Powder	-20°C	2 years
	In DMSO	-80°C	6 months
Shipping:	Blue ice		
Packaging:	Inert gas		

Data

Cat. No.	Product Name	Targets and IC ₅₀ s	Suggested Solvent	Amount Supplied
S2739	PKI-402	A selective, reversible and ATP-competitive Class I PI3K inhibitor. PI3K α , IC ₅₀ =1 nM; PI3K β , IC ₅₀ =7 nM; PI3K γ , IC ₅₀ =16 nM; PI3K δ , IC ₅₀ =14 nM.	DMSO <1 mg/mL Water <1 mg/mL	5 mg
S1039	Rapamycin (Sirolimus)	A specific mTOR inhibitor with an IC ₅₀ of 0.1 nM.	DMSO 183 mg/mL	5 mg
S1009	BEZ235 (NVP-BEZ235)	A dual ATP-competitive inhibitor of PI3K and mTOR . p110 α , IC ₅₀ =4 nM; p110 β , IC ₅₀ =75 nM; p110 δ , IC ₅₀ =7 nM; p110 γ , IC ₅₀ =5 nM.	DMSO 7 mg/mL	50 mg
S1078	MK-2206 dihydrochloride	A highly selective inhibitor of Akt . Akt1, IC ₅₀ =8 nM; Akt2, IC ₅₀ =12 nM; Akt3, IC ₅₀ =65 nM.	DMSO 96 mg/mL Water 96 mg/mL	5 mg
S1263	CHIR-99021 (CT99021)	A specific GSK-3 inhibitor of GSK-3 β and GSK-3 α with IC ₅₀ s of 5 nM and 10 nM, respectively.	DMSO 3 mg/mL	2 mg

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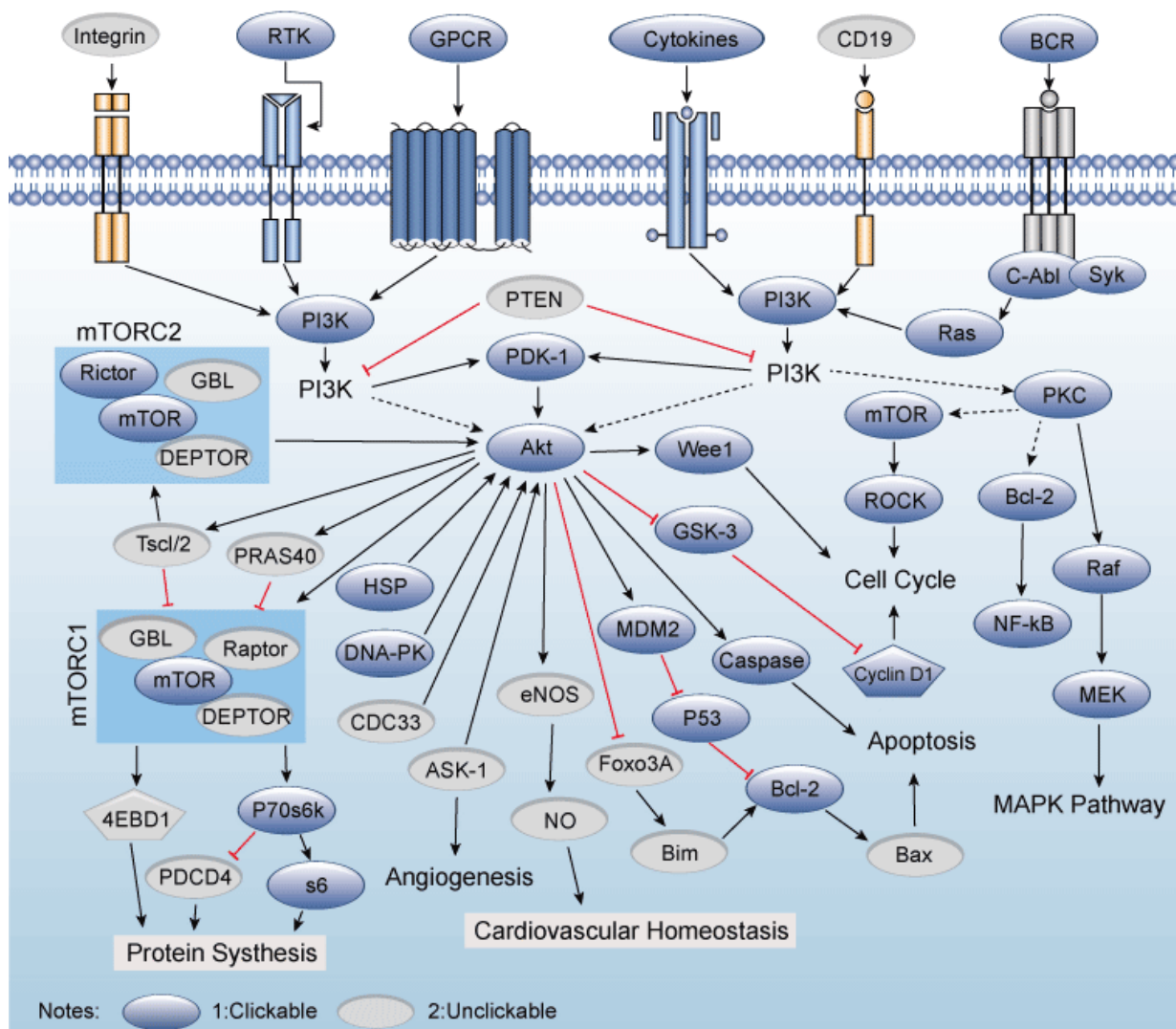
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Last updated on November 1, 2013

S2638	NU7441 (KU-57788)	A potent and selective DNA-PK inhibitor with an IC_{50} of 14 nM.	DMSO 5 mg/mL	5 mg
S1092	KU-55933	A potent and specific ATM kinase inhibitor with an IC_{50} and a K_i of 13 nM and 2.2 nM, respectively.	DMSO 50 mg/mL	5 mg
S1275	BX-912	A selective potent PKD-1 inhibitor with an IC_{50} of 12 nM.	DMSO 94 mg/mL	2 mg
S1558	AT7867	A potent Akt inhibitor with an IC_{50} of 17 nM. AT7867 also inhibits structurally related AGC kinases p70S6K and PKA with IC_{50} s of 20 nM and 85 nM, respectively.	DMSO 68 mg/mL	10 mg



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