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EGFR Signaling Pathway Inhibitor Kit

A unique collection of 15 inhibitors for the study of EGFR signaling pathway Catalog No. K1030

URL for this product: www.selleckchem.com/kits/egfr-inhibitor-kit.html

Catalog No.	Size	Price
K1030	1 ea	USD 1310

Product Overview

A unique collection of 15 potent and selective inhibitors for the study of EGFR signaling pathway. This kit contains the following inhibitors:

5 mg of MK-2206 dihydrochloride S1078;

100 mg of Erlotinib HCl S1023;

10 mg of WZ4002 S1173;

10 mg of SP600125 S1460;

50 mg of BEZ235 (NVP-BEZ235) S1009;

25 mg of U0126-EtOH (UO126 EtOH) S1102;

5 mg of KX2-391 S2700;

25 mg of SB 203580 S1076;

5 mg of Ruxolitinib (INCB018424) S1378;

5 mg of Sorafenib (Nexavar) S1040;

10 mg of PLX-4720 S1152;

5 mg of NSC 74859 (S3I-201) S1155;

5 mg of PF-00562271(PF-562271) S2672;

5 mg of Sotrastaurin (AEB071) S2791;

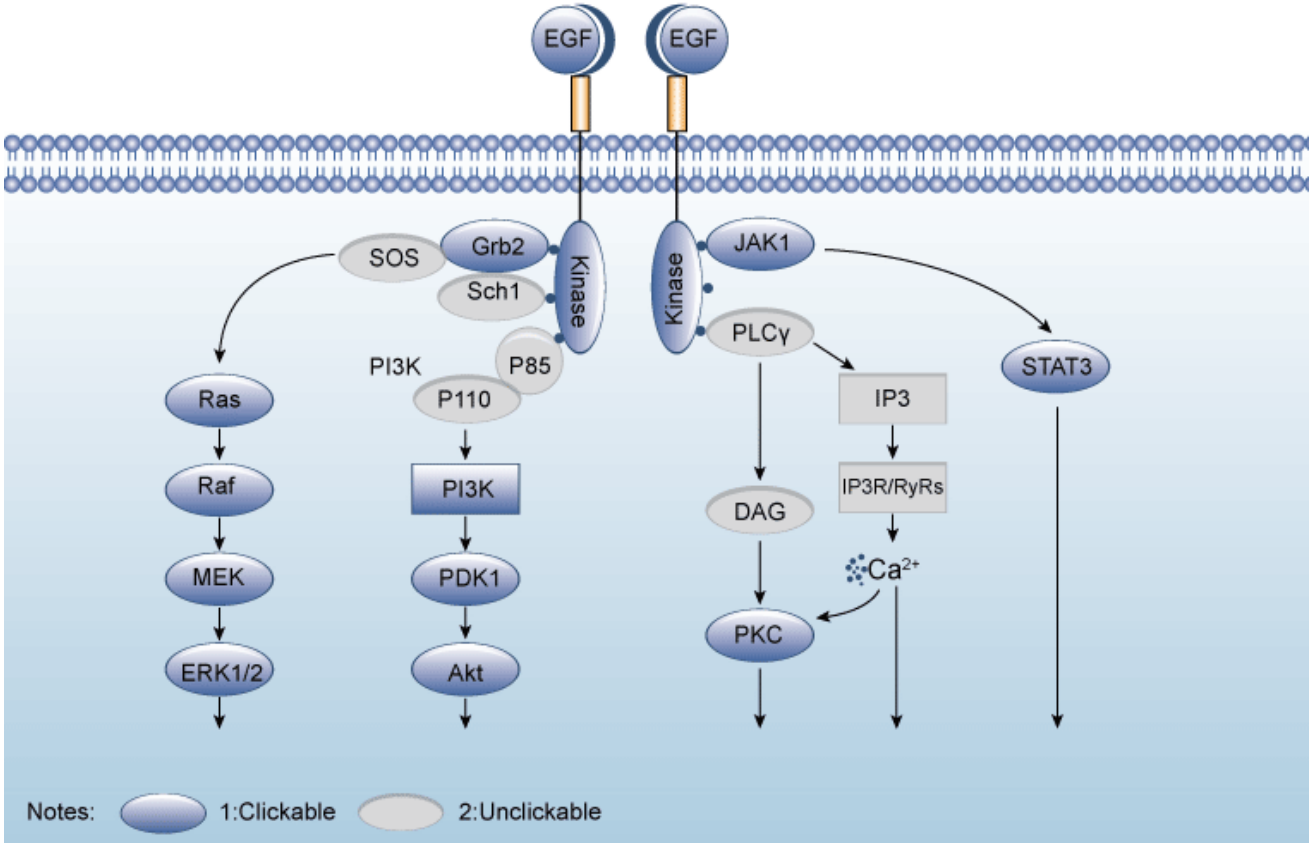
10 mg of DCC-2036 (Rebastinib) S2634.

Product Details

Formulation:	A unique collection of 15 inhibitors for the study of EGFR 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
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
S1023	Erlotinib HCl	A hydrochloride acid salt form of Erlotinib which is a **HER1/EGFR** tyrosine kinase inhibitor for **HER1/EGFR** tyrosine kinase with an IC_{50} of 2 nM.	DMSO 3 mg/mL	100 mg
S1173	WZ4002	A novel mutant-selective **EGFR** kinase inhibitor of $EGFR^{L858R}$ and $EGFR^{L858R/T790M}$ with IC_{50}s of 2 nM and 8 nM, respectively.	DMSO 13 mg/mL	10 mg
S1460	SP600125	A broad-spectrum serine/threonine kinase inhibitor of **JNK** with an IC_{50} range from 40 to 90 nM.	DMSO 44 mg/mL	10 mg
S1009	BEZ235 (NVP-BEZ235)	A dual ATP-competitive inhibitor of **PI3K** and **mTOR**. p110α, IC_{50}=4 nM; p110β, IC_{50}=75 nM; p110δ, IC_{50}=7 nM; p110γ, IC_{50}=5 nM.	DMSO 7 mg/mL	50 mg
S1102	U0126-EtOH (UO126 EtOH)	A chemically synthesized and highly selective inhibitor of both **MEK1** and **MEK2** with IC_{50}s of 70 nM and 60 nM, respectively.	DMSO 85 mg/mL	25 mg
S2700	KX2-391	A synthetic, orally bioavailable small molecule and non-ATP competitive **Src** tyrosine kinase inhibitor with an IC_{50} of average 72 nM.	DMSO 86 mg/mL	5 mg
S1076	SB 203580	A **p38 MAPK** inhibitor with an IC_{50} range of 0.3-0.5 μM and blocks **PKB** phosphorylation with an IC_{50} range of 3-5 μM.	DMSO 76 mg/mL	25 mg
S1378	Ruxolitinib (INCB018424)	A **JAK** family kinase inhibitor of **JAK1**, **JAK2** and **JAK3** with IC_{50}s of 2.7 nM, 4.5 nM and 322 nM, respectively	DMSO 61 mg/mL	5 mg
S1040	Sorafenib (Nexavar)	A small molecular inhibitor of **VEGFR**, **PDGFR**, **c-Raf** and **B-Raf** with IC_{50}s of 18 nM, 10 nM, 3 nM and 15 nM, respectively.	DMSO 127 mg/mL	5 mg
S1152	PLX-4720	A potent and selective inhibitor of $B\text{-}Raf^{V600E}$ and $c\text{-}Raf\text{-}1^{Y340D/Y341D}$ with IC_{50}s of 13 nM and 6.7 nM, respectively.	DMSO 83 mg/mL	10 mg
S1155	NSC 74859 (S3I-201)	A chemical probe inhibitor of **STAT3** with an IC_{50} of 86 μM.	DMSO 73 mg/mL	5 mg
S2672	PF-00562271(PF-562271)	A potent, ATP-competitive and reversible inhibitor of **FAK** and **Pyk2** catalytic activity with IC_5s of 1.5 nM and 14 nM, respectively.	DMSO 5 mg/mL	5 mg
S2791	Sotrastaurin (AEB071)	A potent selective **pan-PKC** inhibitor and highly inhibits **PKCθ** with a Ki of 0.22 nM.	DMSO 87 mg/mL	5 mg
S2634	DCC-2036 (Rebastinib)	A conformational control inhibitor of **Abl1** and **Abl1-T315I** with IC_{50}s of 0.8 nM and 4 nM, respectively.	DMSO 111 mg/mL	10 mg



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