Creative Enzymes®

LYS6K2

Cat. No. CEI-0967

Lot. No. (See product label)

Introduction

Description	A selective inhibitor of the p70 ribosomal S6 kinase (S6K). Blocks the phosphorylation of S6 at concentrations as low as 0.1-0.3 uM with no activity at GSK3beta and Erk1/2 at 10 uM. Useful tool to dissect insulin receptor signaling pathways and was employed to show that the action of mTORC1 on SREB P-1c expression is not mediated by S6K. Cell permeable.
Synonyms	4-(4-(4-(4-fluoro-3-(trifluoromethyl) phenyl)-1-methyl-1H-imidazol-2-yl) piperidin-1-yl)-1H-pyrazolo [3,4-d] pyrimidine

Product Information

Appearance	Yellow solid
CAS No.	1082949-67-4
Molecular Formula	C21H19F4N7
Molecular Weight	445.4
Purity	>97% (HPLC); NMR (Conforms)
Targets	S6K
Melting Point	276-280ºC
Solubility	May be dissolved in DMSO (1 mg/ml); DMF (3 mg/ml, warm)