

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 μ M with no activity at GSK3 β and Erk1/2 at 10 μ M. 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

276-280°C

Solubility

May be dissolved in DMSO (1 mg/ml); DMF (3 mg/ml, warm)