

## 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  $\mu$ M with no activity at GSK3 $\beta$  and Erk1/2 at 10  $\mu$ 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** C<sub>21</sub>H<sub>19</sub>F<sub>4</sub>N<sub>7</sub>

**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)