

## LYS6K2, S6K inhibitor

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Catalog	Unit
TBI1395-5MG	5 mg
TBI1395-25MG	25 mg

### Product Details

**Formal Name:** 4-(4-(4-(4-fluoro-3-(trifluoromethyl)phenyl)-1-methyl-1H-imidazol-2-yl)piperidin-1-yl)-1H-pyrazolo[3,4-d]pyrimidine

**Molecular Formula:** C<sub>21</sub>H<sub>19</sub>F<sub>4</sub>N<sub>7</sub>

**Formula Weight:** 445.42

**CAS Number:** 1082949-68-5

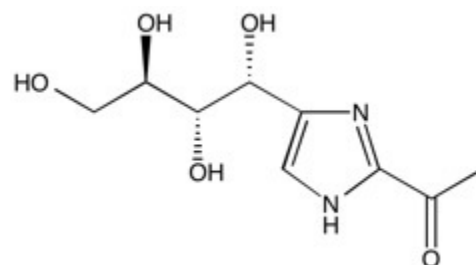
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 1 mg/ml) or in DMF (up to 3 mg/ml).

**Storage:** RT

**Stability:** ≥ 2 years.



### Applications

S6K inhibitor

### Functions

A selective inhibitor of the p70 ribosomal S6 kinase (S6K). Blocks the phosphorylation of S6 at concentrations as low as 0.1-0.3 μM with no activity at GSK3β and Erk1/2 at 10 μM. 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.

### Application Procedures

First dissolved in DMSO (up to 1 mg/ml) or in DMF (up to 3 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or DMF may be stored at -20° for up to 3 months.

**For research use only.**