

Catalog	Unit
TBI3958-1MG	1 mg
TBI3958-5MG	5 mg

### Product Details

**Formal Name:** 2-[(1R,5S)-3-[2-[(2S)-2-methylazetidin-1-yl]-6-(trifluoromethyl)pyrimidin-4-yl]-3-azabicyclo[3.1.0]hexan-6-yl]acetic acid

**Molecular Formula:** C<sub>16</sub>H<sub>19</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub>

**Formula Weight:** 356.4

**CAS Number:** 2102501-84-6

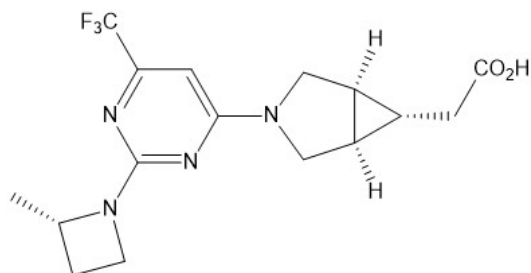
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (10 mg/ml with warming)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Ketohexokinase inhibitor

### Functions

Potent (IC<sub>50</sub> = 10 nM KHK-C; 170 nM KHK-A) inhibitor of ketohexokinase (KHK), the first enzyme in the fructose metabolic cascade. It displayed high selectivity against other sugar kinases. Prevented hyperinsulinemia, hypertriglyceridemia, and hepatic steatosis in fructose-fed rats. The increased tumor proliferation effect of fructose in CaSki cells was inhibited by PF-06835919. An interesting new tool to study metabolic and fatty liver diseases.

### Application Procedures

First dissolved in Soluble in DMSO (10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**