

Catalog	Unit
TBI4556-5MG	5 mg
TBI4556-25MG	25 mg

### Product Details

**Formal Name:** 2-(Pyridin-2-yl)-N-(5-(4-(6-(2-(3-(trifluoromethoxy)phenyl)acetamido)pyridazin-3-yl)butyl)-1,3,4-thiadiazol-2-yl)acetamide

**Alternate Names:** Telaglenastat

**Molecular Formula:** C<sub>26</sub>H<sub>24</sub>F<sub>3</sub>N<sub>7</sub>O<sub>3</sub>S

**Formula Weight:** 571.60

**CAS Number:** 1439399-58-2

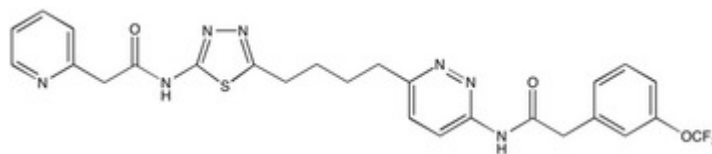
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (20 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Glutaminase Inhibitor

### Functions

Potent and noncompetitive inhibitor of both glutaminase GLS1 splice variants (KGA and GAC, IC<sub>50</sub> ~ 25 nM), but not GLS2. It limits the entry of glutamine derivatives into the TCA cycle, starves tumor cells of glutamine, and ablates stem-like cells in GLS-overexpressing glioblastoma cells. Effective in a variety of cancer models, including triple-negative breast cancer and squamous cell carcinoma.

### Application Procedures

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

**For research use only.**