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Catalog	Unit
TBI4110-5MG	5 mg
TBI4110-25MG	25 mg

### Product Details

**Formal Name:** 4-[2-(6-Methylpyridin-2-yl)-5,6-dihydro-4H-pyrrolo[1,2-b]pyrazol-3-yl]quinoline-6-carboxamide

**Alternate Names:** LY2157299

**Molecular Formula:** C<sub>22</sub>H<sub>19</sub>N<sub>5</sub>O

**Formula Weight:** 369.40

**CAS Number:** 700874-72-2

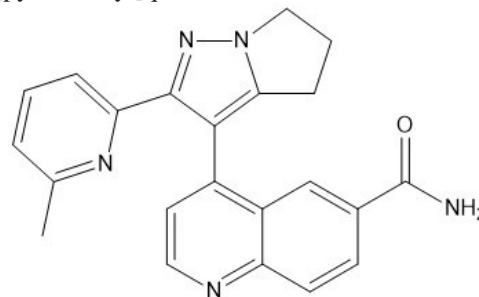
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml)

**Storage:** -20°C

**Stability:**  $\geq$  1 year.



### Applications

TGF $\beta$  receptor 1 inhibitor / Cancer immunotherapeutic

### Functions

Galunisertib is a TGF- $\beta$  kinase (TGFBR1, ALK5) inhibitor (IC<sub>50</sub> = 56 nM). Blocks TGF- $\beta$ -mediated SMAD2 activation and hematopoietic suppression in primary hematopoietic stem cells. Clinically useful anticancer agent, and is a promising co-treatment with immune checkpoint inhibitors.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

**For research use only.**