

GW788388, TGF_β receptor inhibitor

Catalog	Unit
TBI5521-5MG	5 mg
TBI5521-25MG	25 mg

Product Details

Formal Name: 4-(4-(3-(Pyridin-2-yl)-1H-pyrazol-4-yl)pyridin-2-yl)-N-(tetrahydro-2H-pyran-4-yl)benzamide

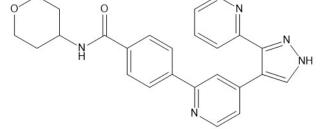
Molecular Formula: C₂₅H₂₃N₅O₂ **Formula Weight:** 425.50

Formula Weight: 425.50 CAS Number: 452342-67-5

Purity: >98% **Formulation:** powder

Solubility: Soluble in DMSO (40 mg/ml)

Storage: -20° C **Stability:** ≥ 2 years.



Applications

TGFβ receptor inhibitor

Functions

Potent inhibitor of TGF- β receptor kinases ALK4, ALK5 (IC50=18 nM), ALK7, and TGF β RII, but not BMP type II receptor kinase. Blocks TGF- β -mediated signaling, including collagen type I and VEGF, in turn reducing fibrosis and angiogenesis in various mouse models. GW788388 attenuates TGF- β -induced epithelial to mesenchymal transition (EMT) in human peritoneal mesothelial cells.

Application Procedures

First dissolved in DMSO (40 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.