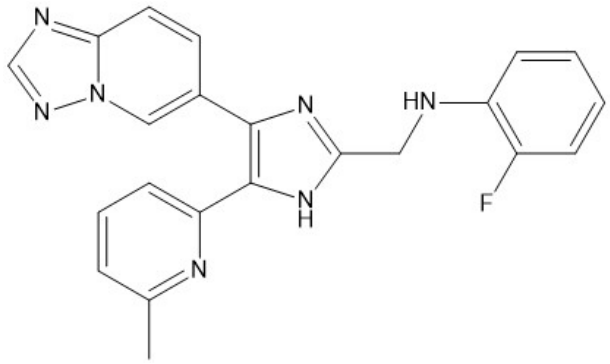
Tribioscience

# EW-7197, ALK4/5 inhibitor

| Catalog | Unit |
|---|---|
| TBI4989-5MG | 5 mg |
| TBI4989-25MG | 25 mg |

## Product Details

**Formal Name:** 2-Fluoro-N-[[5-(6-methyl-2-pyridinyl)-4-([1,2,4]triazolo[1,5-a]pyridin-6-yl)-1H-imidazol-2-yl]methyl]aniline
**Alternate Names:** Vactosertib
**Molecular Formula:** $C_{22}H_{18}FN_7$
**Formula Weight:** 399.4
**CAS Number:** 1352608-82-2
**Purity:** >98%
**Formulation:** Powder
**Solubility:** Soluble in DMSO (up to at least 50 mg/ml)
**Storage:** -20°C
**Stability:** ≥ 2 years.




## Applications

ALK4/5 inhibitor

## Functions

Potent ($IC_{50}$ = 13 nM ALK4, 11 nM ALK5 HotSpot assay) and selective inhibitor of ALK4/5. It increased $CD3^+$, $IFN^+CD8^+$, and NK cells and decreased myeloid suppressor cells in a mouse model of osteosarcoma. EW-7197 suppressed the epithelial-mesenchymal transition in various cancer models. It synergized with pomalidomide to increase T-cell fitness in a multiple myeloma model. EW-7197 displayed therapeutic effects in various models of fibrosis.

## Application Procedures

First dissolved in DMSO (up to at least 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**