

## ALK5 Inhibitor (RepSox)

Catalog Number :4463325

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Synonyms:** RepSox, 2-(3-(6-Methylpyridin-2-yl)-1H-pyrazol-4-yl)-1,5-naphthyridine, ALK5 Inhibitor II, E616452

**Chemical Name:** 2-[5-(6-methylpyridin-2-yl)-1H-pyrazol-4-yl]-1,5-naphthyridine

**Molecular Formula:** C<sub>17</sub>H<sub>13</sub>N<sub>5</sub>

**Molecular Weight:** 287.3

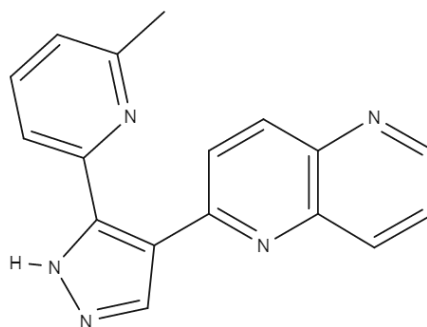
**CAS Number:** 446859-33-2

**Purity:** ≥98%

**Applications:** FA

**Formulation:** Crystalline solid

**Storage:** Product should be kept at -20°C.



### Description

The ALK5 inhibitor selectively inhibits TGF-Beta receptor signaling, useful for enhancing the efficiency of cellular reprogramming. It is also reported to induce the differentiation of pancreatic progenitor cells into insulin-producing cells.

### Preparation & Storage

Soluble in organic solvents such as ethanol or DMSO.

### References

- Woltjen, K., Stanford, W. L. (2009). Inhibition of Tgf-β Signaling Improves Mouse Fibroblast Reprogramming.;Cell stem cell.;5(5), 457-458.
- Larsen, D. M. (2013).;Evaluation of the TGF-beta inhibitor RepSox on the expression of pluripotency pathways in murine and bovine cells. UTAH STATE UNIVERSITY.
- Jajosky, A. N., Coad, J. E., Vos, J. A., Martin, K. H., Senft, J. R., Wenger, S. L., Gibson, L. F. (2014). RepSox Slows Decay of CD34+ Acute Myeloid Leukemia Cells and Decreases T Cell Immunoglobulin Mucin-3 Expression.Stem cells translational medicine.;3(7), 836.