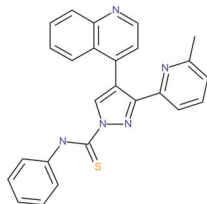


# Product Sheet

## A83-01, ALK-4, -5, -7 inhibitor

<b>Catalog #</b>	A8-002; A8-010; A8-050
<b>Description</b>	<p>A selective inhibitor of ALK-4 (Activin/Nodal receptor), ALK-5 (TGF-<math>\beta</math> type I receptor), and ALK-7 (nodal receptor). Only weakly inhibits ALK-1, -2, -3, and -6.</p> <p>3-(6-METHYLPYRIDIN-2-YL)-1-PHENYLTHIOCARBAMOYL-4-QUINOLIN-4-YLPYRAZOLE</p> <p><i>Ref:</i> Tojo, M., et al. The ALK-5 inhibitor A-83-01 inhibits Smad signaling and epithelial-to-mesenchymal transition by transforming growth factor-beta. Cancer Sci. 96: 791-800, 2005.</p>
<b>Formulation</b>	Powder
<b>Reconstitution</b>	Before reconstitution, we recommend a brief spin to drive down any material dislodged from the bottom of the tube. The compound is soluble in DMSO.
<b>Stability</b>	The powder is stable for at least 2 year if stored at -20 degree C. The dissolved compound is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -20 degree C for longer term. Protect from light.
<b>Purity</b>	Greater than 98% as determined by LC/MS analysis. LC/MS and/or NMR data available upon request.
<b>Biological Activity</b>	Not determined.

### Structural Info



**MW:** 421.52

**Formula:** C<sub>25</sub>H<sub>19</sub>N<sub>5</sub>S

**Solubility:** Soluble in DMSO at 10 mM.

**CAS:** 909910-43-6

**For Research Use Only. Not for Use in Humans.**