

## A83-01

Cat. No. CEI-0952

Lot. No. (See product label)

### Introduction

**Description** Potent and selective ALK4, 5 and 7 inhibitor. IC50=45, 12, 7.5 nM respectively. Prevents phosphorylation of Smad2/3 and growth inhibition induced by TGFβ. Inhibits differentiation of rat induced pluripotent stem cells and increases clonal expansion efficiency. Together with AMI-5 enabled Oct4-induced reprogramming of mouse embryonic fibroblasts. Active in rat models. Cell permeable

**Synonyms** 3-(6-Methyl-2-pyridinyl)-N-phenyl-4-(4-quinolinyl)-1H-pyrazole-1-carbothioamide

### Product Information

**Appearance** Light Yellow powder

**CAS No.** 909910-43-6

**Molecular Formula** C25H19N5S

**Molecular Weight** 421.5

**Purity** >98% (TLC); NMR (Conforms)

**Targets** ALK

**Solubility** May be dissolved in DMSO (20mg/ml)