

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)