

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)