Creative Enzymes®

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)