

A83-01, ALK inhibitor

Catalog	Unit
TBI1327-5MG	5 mg
TBI1327-25MG	25 mg

Product Details

Formal Name: 3-(6-Methyl-2-pyridinyl)-N-phenyl-4-(4-quinolinyl)-1H-pyrazole-1-carbothioamide

Molecular Formula: C₂₅H₁₉N₅S

Formula Weight: 421.50

CAS Number: 909910-43-6

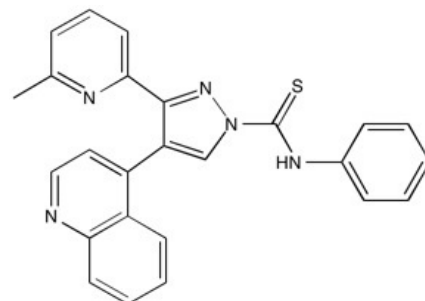
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

ALK inhibitor

Functions

Potent and selective ALK4, 5 and 7 inhibitor. IC₅₀=45, 12 and 7.5 nM respectively. Prevents phosphorylation of Smad2/3 and growth inhibition induced by TGFβ₂. Inhibits differentiation of rat induced pluripotent stem cells and increases clonal expansion efficiency. Together with AMI-5, A83-01 enabled Oct4-induced reprogramming of mouse embryonic fibroblasts. Cell permeable. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 2 months.

For research use only.