ALK5 Inhibitor I

Cell permeable, potent, selective and ATP-competitive inhibitor of TGF-β RI kinase (IC_{50}=51nM). Displays ~15-fold greater selectivity over p38α MAPK (IC_{50}=740nM). Inhibits TGF-β-dependent cellular growth (IC50=89nM in NIH 3T3 mouse fibroblasts) and transcription activation (IC_{50}=47nM in mink lung cells). Suppresses invasion of MDA-MB-231 breast cancer cells in a matrigel invasion assay.

Citations: 5 View Online »

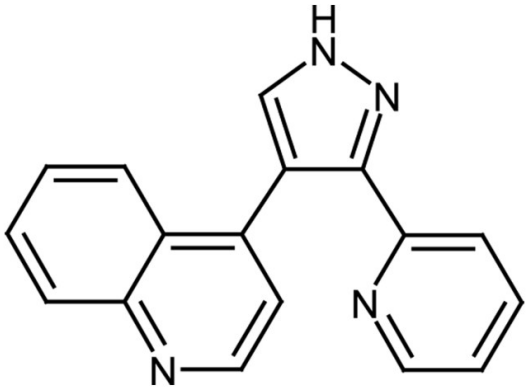
Ordering Information

Order Online »

ALX-270-448-M005	5mg

Manuals, SDS & CofA

View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for 2 years after receipt when stored at -20°C. Stock solutions are stable for up to 3 months when stored at -20°C.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	TGF-β RI Kinase Inhibitor I, 3-(Pyridin-2-yl)-4-(4-quinonyl)]-1H-pyrazole
Appearance	Yellow to brown solid.
CAS	396129-53-6
Couple Target	TGF-beta receptor
Couple Type	Inhibitor
Formula	$C_{17}H_{12}N_4$
MW	272.3
Purity	≥97% (TLC)
Solubility	Soluble in DMSO or methanol.

Last modified: May 29, 2024

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