

A 83-01

Catalog No: #S09487



Package Size: #S09487-1 1 mg #S09487-2 10 mg #S09487-3 100 mg #S09487-4 25 mg #S09487-5 5 mg #S09487-6 50 mg #S09487-7 500 mg
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	A 83-01
Other Names	A8301;A83-01;A 83 01;A 8301;A 83-01;ALK;ALK4;ALK5;ALK7;ALK5 Inhibitor IV;Inhibitor;inhibit;TGF-beta;TGFBeta;Smad;TGFB;TGF-b/Smad;TGFBeta/Smad;TGFβ;TGF-β Receptor;TGF-β/Smad;Transforming growth factor beta receptors
Calculated MW	421.52
Storage	store at low temperature . Powder: -20°C for 3 years . Shipping with blue ice.

Application Details

ε ε• εΟ• :C25H19N5SSmile: Cc1cccc(n1)-c1nn(cc1-c1ccnc2ccccc12)C(=S)Nc1ccccc1DMLε• :MFCD08705403η1—ε1!;98.20%ζIAθ§εε1!;DMSO:10 mg/mL (23.72 mM);10% DMSO+90% Saline:1 mg/mL (2.37 mM)δ½ ε ζ'»ζ §:ζ 'Hζ³ οΟ δ'E!ζε ζ' δ½ ε ζ θ Ωη ζ'»ζ §οΟ ε° A 83-01 (150 μg/ε•) θ 'Hθ ζ³ε° η» HM-1 η η θ 'Hθ ζ ©ζ £η B6C3F1 ε° iO ζ'ε οΟ ζ—ε ° δ'E ζ'οΟ ζ • η»-ε ε °γ η» ζ οΟ A 83-01 ζ³»η η» η θ 'Hζ³ε½ζ • εY εY θY ζ 'οΟ A 83-01 ζ 'Yθ ζ• • i« δI ε° iO η ε- ζ'»η γ [2] ζ 'Hζ³ οΟ δ'E!η η©Aε °εΩ θ ζ• δO δ'E-η δ½ η °οΟ ε° A 83-01 (10 mg/kg) θ 'Hθ ζ³ε° η» Nkx2.5 enh-Cre/mTmG ε° iO οΟ ζ—ε ©δ'E ζ'οΟ ζ • η»-δ'E ε ©γ η» ζ οΟ A 83-01 ζ³»η ε °ε 'η1Ωε εΩ θ ζ• δO ε• ζ 'Yθ ε' ε δI Nkx2.5+ εΩ θ ζ • θ η» θ η ζ °i • οΟ ε—Oθ 'ζ °ε½ζ • η εΩ θ η» θ ε' ε γ A 83-01 ζ³»η ζ 'Yθ ζ 'He δI εΩ ε εO'Hζ §ε ε• δ'E-ε οΟ δ» θ ζ 'He δI ζ• δO ε• η ζ AηO©θ ½ε γ [3]δ½ ε ζ'»ζ §:ζ 'Hζ³ οΟ i η ε ζ'θ² θ 'δ'E η η» θ Mv1Lu η ° A 83-01 (0.03-10 μOM) ε TGF-β (1 ng/mL) ε η• 48 ho δ½Ωη ° Coulter counter ζε ζ' η» θ ε' ζ γ η» ζ οΟ A 83-01 δ» ε i • δ'Y• θ° η ζ 'HeO• i »ζ-' TGF-β ε—H Mv1Lu η» θ η i Ωη ζ ε Ay [1] ζ 'Hζ³ οΟ ε° iO ε• °ε'η η» θ HM-1 η ° A 83-01 (1-10 μOM) ε η• 30 min οΟ i • ε• η ° TGF-β (1-10 ng/mL) ε η• 60 min οΟ δ½Ωη ° Western Blot ζ 'Hζ³ ζε ζ' i• Aη 'Hθ η ½θ'θ'Yζ°εH³γ η» ζ οΟ ζ'»ε TGF-β1 ε' ε δI pSmad3 η θ'θ'YοΟ A 83-01 ζ ε AδI TGF-β η δ'E θ° γ [2]η» θ ε i :HM-1 cells are seeded into a 96-well plate and are incubated for 18 hr. A-83-01 (1 μOM) or vehicle are then added for 12 hr followed by the addition of TGF-β1 (1 ng/mL) or vehicle for 60 hr. The number of viable cells in each well is examined using the WST-1 assay following the manufacturer's instructions.i• Aη 'Hζ'»ζ §:ALK5:12 nM|ALK7:7.5 nM|ALK4:45 nMδΩ'ε• i θ—:θ' η 'η ζ • |θ η ½i ζ°i 'EζΩ i A|εH²η» θ i• Aη 'H:ALK|TGF-beta/Smad

Note: This product is for in vitro research use only and is not intended for use in humans or animals.