

Product Data Sheet

ML347

Cat. No.:	B3688
CAS No.:	1062368-49-3
Formula:	C22H16N4O
M.Wt:	352.39
Synonyms:	
Target:	TGF- β / Smad Signaling
Pathway:	TGF- β R1(ALK5)
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; insoluble in EtOH; ≥ 5.87 mg/mL in DMSO with gentle warming

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	2.8378 mL	14.1888 mL	28.3776 mL
	5 mM	0.5676 mL	2.8378 mL	5.6755 mL
	10 mM	0.2838 mL	1.4189 mL	2.8378 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary: BMP receptor inhibitor, potent and selective

IC₅₀ & Target: 32 nM (ALK2), 46 nM (ALK1)

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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