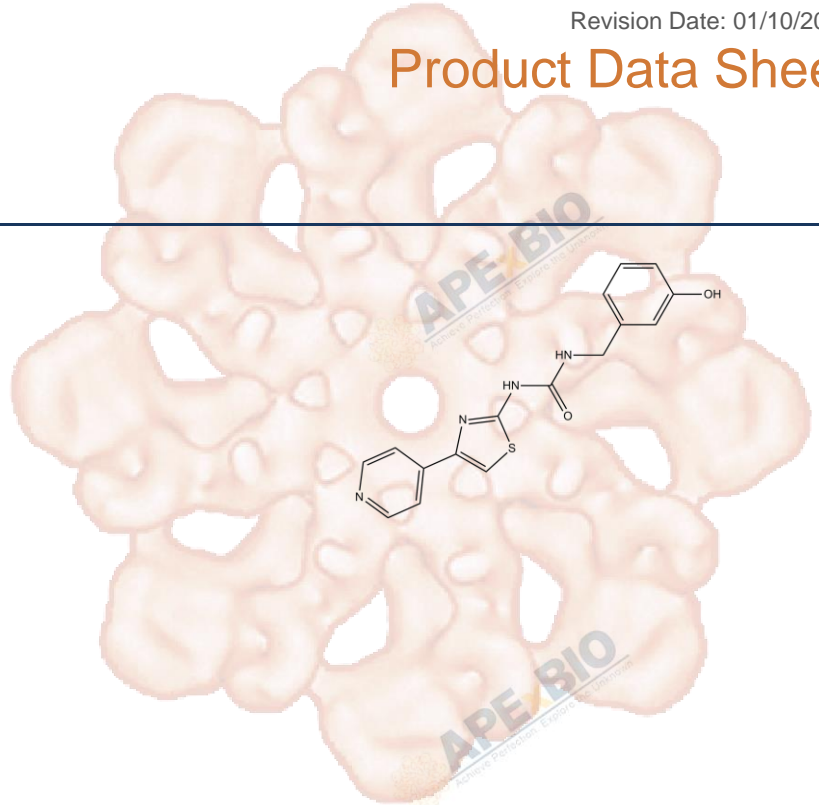


# Product Data Sheet

## RKI-1447

<b>Cat. No.:</b>	A3771
<b>CAS No.:</b>	1342278-01-6
<b>Formula:</b>	C <sub>16</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> S
<b>M.Wt:</b>	326.37
<b>Synonyms:</b>	RKI 1447;RKI1447
<b>Target:</b>	TGF-β / Smad Signaling
<b>Pathway:</b>	ROCK
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O; ≥16.3 mg/mL in DMSO; ≥6.32 mg/mL in EtOH with gentle warming and ultrasonic

In Vitro

Preparing Stock Solutions	Mass		1mg	5mg	10mg
	Solvent	Concentration			
		1 mM	3.0640 mL	15.3200 mL	30.6401 mL
		5 mM	0.6128 mL	3.0640 mL	6.1280 mL
		10 mM	0.3064 mL	1.5320 mL	3.0640 mL

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

### Biological Activity

Shortsummary

Potent ROCK1/ROCK2 inhibitor

IC<sub>50</sub> & Target

14.5 nM (ROCK1), 6.2 nM (ROCK2)

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

See more customer validations on [www.apexbt.com](http://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 APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term 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.

**APEX BIO Technology**

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