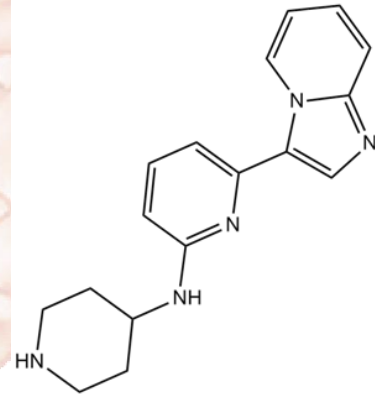


# Product Data Sheet

## IRAK inhibitor 1

**Cat. No.:** A3500  
**CAS No.:** 1042224-63-4  
**Formula:** C<sub>17</sub>H<sub>19</sub>N<sub>5</sub>  
**M.Wt:** 293.37  
**Synonyms:**  
**Target:** Tyrosine Kinase  
**Pathway:** IRAK  
**Storage:** Store at -20°C



### Solvent & Solubility

insoluble in EtOH; insoluble in H<sub>2</sub>O; ≥14.4 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	3.4087 mL	17.0433 mL	34.0866 mL
	<b>5 mM</b>	0.6817 mL	3.4087 mL	6.8173 mL
	<b>10 mM</b>	0.3409 mL	1.7043 mL	3.4087 mL

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

### Biological Activity

Shortsummary

IRAK-4 inhibitor

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

1.Upadhyay K, Park JE, et al. "Group B Streptococci Induce Proinflammatory Responses via a ProteinKinase D1-Dependent Pathway." J Immunol. 2017 Jun 1;198(11):4448-4457.PMID:28461572

2.Marinho FV, Fahel JS, et al. "Lack of IL-1 Receptor-Associated Kinase-4 Leads to Defective Th1 Cell Responses and Renders Mice Susceptible to MycobacterialInfection." J Immunol. 2016 Sep 1;197(5):1852-63.PMID:27439514

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## 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.*

**APExBIO Technology**

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