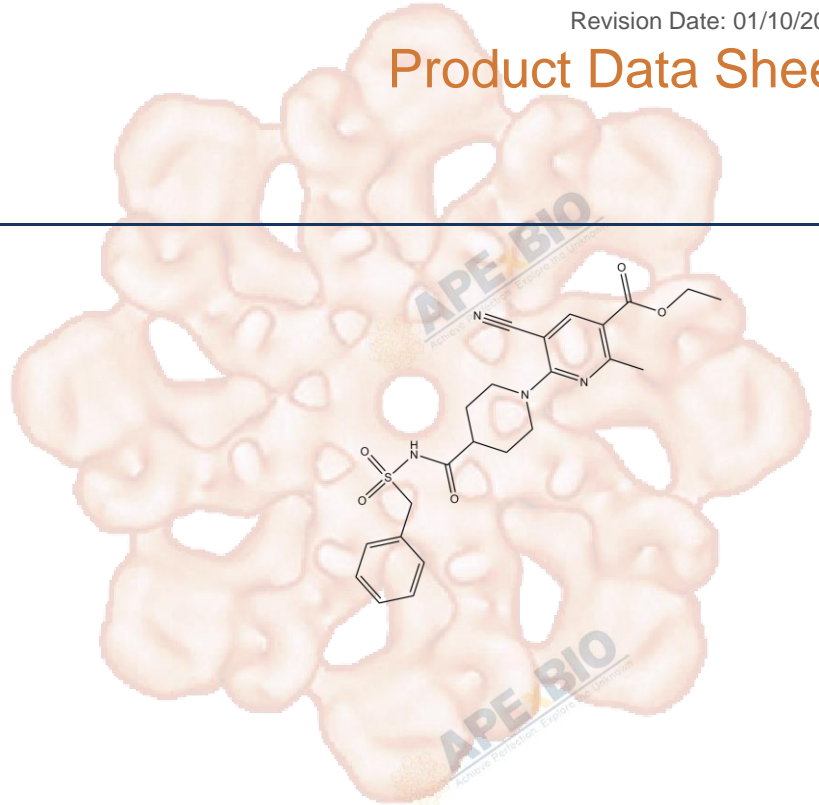


# Product Data Sheet

## AZD1283

<b>Cat. No.:</b>	B4634
<b>CAS No.:</b>	919351-41-0
<b>Formula:</b>	C23H26N4O5S
<b>M.Wt:</b>	470.54
<b>Synonyms:</b>	
<b>Target:</b>	GPCR/G protein
<b>Pathway:</b>	P2Y Receptor
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O; insoluble in EtOH; ≥18.15 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	2.1252 mL	10.6261 mL	21.2522 mL
	<b>5 mM</b>	0.4250 mL	2.1252 mL	4.2504 mL
	<b>10 mM</b>	0.2125 mL	1.0626 mL	2.1252 mL

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

### Biological Activity

Shortsummary

Potent P2Y<sub>12</sub> antagonist

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Animal models: A modified Folts dog model

Dosage form: 0.1 ~ 33 μg/(kg × min); 5 consecutive 30 min periods

Applications: AZD1283 dose-dependently increased blood flow and inhibited ADP-induced

platelet aggregation with an antithrombotic ED50 value of 3  $\mu\text{g}/(\text{kg} \times \text{min})$ . A dose higher than 33  $\mu\text{g}/(\text{kg} \times \text{min})$  was required for induction of a larger than 3.5-fold increase in bleeding time.

Other notes:

Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

## Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

[1]. Bach P, Antonsson T, Bylund R, Bjrkman JA, sterlund K, Giordanetto F, van Giezen JJ, Andersen SM, Zachrisson H, Zetterberg F. Lead optimization of ethyl 6-aminonicotinate acyl sulfonamides as antagonists of the P2Y12 receptor. separation of the antithrombotic effect and bleeding for candidate drug AZD1283. J Med Chem. 2013;56(17):7015-24.

## 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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