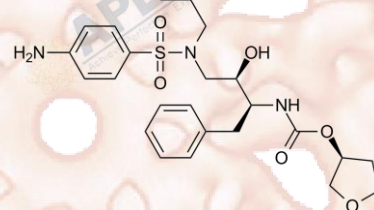


# Product Data Sheet

## Amprenavir (agenerase)

<b>Cat. No.:</b>	A8201
<b>CAS No.:</b>	161814-49-9
<b>Formula:</b>	C <sub>25</sub> H <sub>35</sub> N <sub>3</sub> O <sub>6</sub> S
<b>M.Wt:</b>	505.63
<b>Synonyms:</b>	
<b>Target:</b>	Proteases
<b>Pathway:</b>	HIV Protease
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O; ≥14.85 mg/mL in EtOH; ≥25 mg/mL in EtOH with ultrasonic

In Vitro

Preparing Stock Solutions	Mass		1mg	5mg	10mg
	Solvent	Concentration			
		<b>1 mM</b>	1.9777 mL	9.8887 mL	19.7773 mL
		<b>5 mM</b>	0.3955 mL	1.9777 mL	3.9555 mL
		<b>10 mM</b>	0.1978 mL	0.9889 mL	1.9777 mL

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

### Biological Activity

Shortsummary

HIV-1 protease inhibitor

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Cell Line:	HepaRG hepatoma cells and LS180 intestinal cells
Preparation method:	The solubility of this compound in DMSO is >10 mM. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several months.
Reacting conditions:	10 μM; 24 hrs

	Applications:	Amprenavir induced PXR target gene expression in both HepaRG hepatoma cells and LS180 intestinal cells.
In Vivo	<b>Animal experiment</b>	
	Animal models:	WT and PXR <sup>-/-</sup> mice
	Dosage form:	10 mg/kg; p.o.; for 1 week
	Applications:	In the intestine of WT mice, Amprenavir-mediated PXR activation stimulated the expression of both LipF and LipA.
	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]. Helsley RN, Sui Y, Ai N, Park SH, Welsh WJ, Zhou C. Pregnane X receptor mediates dyslipidemia induced by the HIV protease inhibitor amprenavir in mice. *Mol Pharmacol*. 2013 Jun;83(6):1190-9.

## 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. 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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