

## Certificate of Analysis

Product Name:

**Aprotinin Bovine Lung PurBio, 3-8 TIU/mg powder**

Product No.: PSR49367  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 9087-70-1  
Molecular Formula:  $C_{284}H_{432}N_{84}O_{79}S_7$   
Molecular Weight: ~6,500 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	White Solid	White Solid
Solubility (5 mg/mL, H <sub>2</sub> O)	Clear to Very Slightly Hazy	Clear
Activity	3-8 TIU/mg	3.53 TIU/mg
Unit Definition	One trypsin inhibitor unit (TIU) will decrease the activity of two trypsin units by 50% where one trypsin unit will hydrolyze 1.0 micromole of Na-Benzoyl-DL-Arginine-p-Nitroaniline (BAPNA) per minute at pH 7.8 at 25 °C. 1 TIU = 1300 KIU	Conforms
Enzyme solution for activity determination	Prepared in 1 mM hydrochloric acid solution	Conforms

### Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at [www.pure-synth.com](http://www.pure-synth.com)

Inspect on receipt

### Storage Condition:

Store at a temperature of -20 °C and keep the container tightly closed

PureSynth Research Chemicals GmbH

*This is electronically-generated copy & is valid without a signature*

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)