

# Enzymax, LLC

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## Product Information

**Product Name:** Phosphodiesterase  
**Catalog #:** SP1007  
**Size:**

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**Product:** Phosphodiesterase (Native)

**MDL Number:** MFCD00131883

**CAS Number:** 9025-82-5

**Product Description or background:**

Phosphodiesterase hydrolyzes ribo-and deoxyribo-oligonucleotides from the 3'-hydroxyl terminus, releasing 5'-mononucleotides. The enzyme has been widely utilized as a tool for structural and sequence studies of nucleic acids.

**Source:** purified from snake venom of *Agkistrodon halys pallas*

**Bioactivity:**  $\geq 0.15$  units/mg protein

**Unit Definition:** One unit hydrolyzes 1.0  $\mu$ mole of bis(p-nitrophenyl) phosphate per min at pH 8.8 at 37 °C.

**Storage:** Stable for 12 months at -20°C.

**Purity:**  $\geq 95\%$  by FPLC

**Presentation:** Lyophilized POWDER

**Snake Type:** *Agkistrodon halys pallas*

Found in Shanghai, Jiangsu, Zhenjiang, Anhui, Fujian, Jiangxi, Hubei, Hunan.

Protein content (Folin's method):  $>90\%$

Biotoxicity: LD50: 0.03-0.05mg/kg

Humidity:  $<5\%$

Insolubility:  $<0.5$

