

## 磷酸二酯酶 I 说明书

中文名称：磷酸二酯酶 I

英文名称：Phosphodiesterase I from *Crotalus adamanteus* venom; 5'-Exonuclease; Oligonucleate 5'-nucleotidohydrolase

其他名称：磷酸二脂酶；磷酸二酯酶

CAS 号：9025-82-5

级别：BR

Specific activity:  $\geq 20\text{u/mg protein}$

**活力定义:** One Unit hydrolyzes one micromole of p-nitrophenyl thymidine-5-phosphate per minute at 25°C, pH 8.9.

**产品描述:** Venom exonuclease (Phosphodiesterase I) successively hydrolyzes 5'-mononucleotides from 3'-OH-terminated ribo- and deoxyribo-oligonucleotides. The enzyme has an optimal pH range of 9.8-10.4 and a molecular weight of 115 kDa. Phosphodiesterase is inhibited by reducing agents such as glutathione, cysteine and ascorbic acids. It is completely inhibited by 5mM EDTA while ATP, ADP and AMP are partial inhibitors. The enzyme has an absolute requirement for Mg<sup>2+</sup>

**性状(以下信息仅供参考):** 白色或类白色粉末

**用途:** 本品仅供科研，不得用于其它用途。(以下用途仅供参考)用于序列核酸的研究

**保存:** -20°C