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Product Specification

Product Name:Phosphodiesterase, 3',5'-cyclic-nucleotide-specific from bovine brain - 15-30 units/mg protein (in the presence of 0.03 mM Ca²⁺ and a saturating level (10 units per ml) of calmodulin (P2277)), lyophilized powder**Product Number:****P9529****CAS Number:**

9040-59-9

MDL:

MFCD00131864

Storage Temperature:

-20 °C

TEST	Specification
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Protein by Lowry	4.0 - 6.0 %
units/mg protein (activated)	15 - 30
In the presence of 0.03 mM Ca ²⁺ and a saturating level, 10 u/mL, of the activator P2277	
units/mg protein	1 - 5
Without added activator	
Unit Definition	-----
One unit will hydrolyze 1.0 micromole of 3',5'-cyclic-AMP to 5'-AMP per minute at pH 7.5 at 30 deg C.	
Impurity	≤ 0.1 %
Phosphodiesterase 2',3' - cyclic nucleotide	
Impurity	≤ 0.1 %
5' - nucleotidase	
Impurity	≤ 0.1 %
Alkaline Phosphatase	
Impurity	≤ 0.8 %
Inorganic Pyrophosphatase	
Impurity	≤ 0.2 %
5' - ATPase	

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.