

Phosphodiesterase

Cat. No.:	HY-P2878
CAS No.:	9025-82-5
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Phosphodiesterase

BIOLOGICAL ACTIVITY

Description

Phosphodiesterase (PDE) is an enzyme that can catalyze the hydrolysis of the 3' ring phosphate bond of cyclic nucleotides, and is often used in biochemical research. Phosphodiesterase acts as an important regulator of signal transduction mediated by the second messenger molecules cAMP and cGMP. According to their specificity to cyclic nucleotides, they can also be divided into different types, such as PDE1-PDE11, which also have certain potential in various diseases^[1].

REFERENCES

[1]. Sébastien Delhaye, et al. Role of phosphodiesterases in the pathophysiology of neurodevelopmental disorders. *Mol Psychiatry*. 2021 Sep;26(9):4570-4582.

Caution: Product has not been fully validated for medical applications. For research use only.

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