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Produktinformation

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Phospholipase D, Streptomyces chromofuscus

Cat. No.: HY-P2812

CAS No.: 9001-87-0

Target: Phospholipase

Pathway: Metabolic Enzyme/Protease

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

Phospholipase D, Streptomyces chromofuscus

SOLVENT & SOLUBILITY

In Vitro	H_2O : ≥ 100 mg/mL * "≥" means soluble, but saturation unknown.

BIOLOGICAL ACTIVITY

Description	Phospholipase D, Streptomyces chromofuscus (PLD) is an enzyme of the phospholipase superfamily, which widely exists in bacteria, yeast, plants, animals and viruses, and is often used in biochemical research. Phospholipase D can catalyze the hydrolysis of phosphodiester bonds in glycerophospholipids to produce phosphatidic acid and soluble choline. Phospholipase D is involved in a variety of disease-related processes, including diabetes, atherogenesis, obesity, tumorigenesis, immune response, and neuroendocrine function[1].
In Vitro	Product Information This product is an enzyme preparation refined from natural strains through deep liquid fermentation, and contains highly active phospholipase. It can specifically catalyze the hydrolysis of the phosphatidyl diester bond at the end of phosphatidylcholine to generate phosphatidic acid and choline. Temperature range: effective temperature range 35℃-55℃, optimum temperature 40℃-50℃ pH range: effective pH range pH4.0-7.5, optimum pH 5.0-6.0 Instructions Diluted with water. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. McDermott M, et al. Phospholipase D. Biochem Cell Biol. 2004 Feb;82(1):225-53.

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

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