

ENZYMES

BY

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Phospholipase D from *Streptomyces chromofuscus*

PHO-12C

SPECIFICATIONS

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| Name | Phosphatidylcholine phosphatidohydrolase |
| EC | 3.1.4.4 |
| Appearance | Brown powder, lyophilized |
| Activity | 40 U/mg-solid or more |
| Specific activity | 150 U/mg protein or more |
| Contaminants | Catalase : < 0.6 % Glucose oxidase : < 0.02 % |
| Stability | Stable at -20°C for at least 12 months |
| Molecular weight | Approx. 57,000 (SDS-PAGE) |
| Isoelectric point | 5.1 |
| Michaelis constant | 1.4×10 ⁻³ M (phosphatidylcholine) |
| Inhibitors | EDTA |
| Optimum | pH 7.0 - 8.5 |
| pH stability | 6.0 - 10.0 |
| Thermal Stability | below 60°C (pH 8.0, 10min) |