

photosystem II

Cat. No. EXWM-0487

Lot. No. (See product label)

Introduction

Description

Contains chlorophyll a, β -carotene, pheophytin, plastoquinone, a Mn₄Ca cluster, heme and non-heme iron. Four successive photoreactions, resulting in a storage of four positive charges, are required to oxidize two water molecules to one oxygen molecule.

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.10.3.9

Reaction

$2 \text{H}_2\text{O} + 2 \text{ plastoquinone} + 4 h\nu = \text{O}_2 + 2 \text{ plastoquinol}$

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.