Creative Enzymes®

o-Phenylenediamine dihydrochloride

Cat. No. CSUB-0425

Lot. No. (See product label)

Introduction

Applications	o-Phenylenediamine is a peroxidase substrate suitable for use in ELISA procedures. The substrate produces a soluble end product that is orange-brown in color and can be read spectrophotometrically at 450 nm. The OPD reaction may be stopped with 3 N HCl or 3 M H2SO4 and read at 492 nm.

Product Information

Form	tablet
CAS No.	615-28-1
Molecular Weight	181.06
mp	258 °C (dec.)(lit.)
Substrates	Peroxidase Substrates

Usage and Packaging

Reconstitution	Dissolve one tablet in 0.05 M phosphate-citrate buffer, pH 5.0, to the desired concentration (typically an OPD concentration of 0.4 mg/ml is used). Add 40 µl of fresh 30% hydrogen peroxide per 100 ml of substrate buffer solution, immediately prior to use. Tablets are individually packaged in foil packets.

Storage and Shipping Information

Storage	2-8°C