

## 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 H<sub>2</sub>SO<sub>4</sub> and read at 492 nm.

### Product Information

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