

## 3,3'-Diaminobenzidine tetrahydrochloride

Cat. No. CSUB-0654

Lot. No. (See product label)

### Introduction

**Description** 3,3'-Diaminobenzidine tetrahydrochloride hydrate is a water-soluble preparation of 3,3'-Diaminobenzidine, a tetraamine biphenyl compound used as a histological stain for peroxidase activity. Reaction between 3,3'-Diaminobenzidine and peroxidase forms a visible insoluble product. This approach has been used to assay activity of glutamate decarboxylase in rat cerebellar sections and to detect horseradish peroxidase presence on cultured cell surfaces.

**Applications** A widely used chromogenic peroxidase substrate.

**Synonyms** 3,3',4,4'-Tetraaminobiphenyl tetrahydrochloride

### Product Information

<b>Form</b>	Solid
<b>CAS No.</b>	868272-85-9
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>14</sub> N <sub>4</sub> •4HCl
<b>Molecular Weight</b>	360.11
<b>Melting Point</b>	280° C
<b>Solubility</b>	Soluble in water.

### Storage and Shipping Information

**Storage** Desiccate at room temperature