

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

Form

Solid

CAS No.

868272-85-9

Molecular Formula

C₁₂H₁₄N₄•4HCl

Molecular Weight

360.11

Melting Point

280° C

Solubility

Soluble in water.

Storage and Shipping Information

Storage

Desiccate at room temperature