Creative Enzymes®

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