

Thiamine, Hydrochloride

Cat. No. COEC-072

Lot. No. (See product label)

Introduction

Description Thiamine Hydrochloride is a cofactor required for oxidation of carbohydrates and for the synthesis of ribose.

Applications A cofactor required for oxidation of carbohydrates and for the synthesis of ribose

Synonyms Aneurine hydrochloride; Vitamin B1hydrochloride

Product Information

Appearance Crystalline powder

Form Solid

CAS No. 67-03-8

Molecular Formula C₁₂H₁₇N₄O₅Cl•HCl

Molecular Weight 337.27

Melting Point 250° C (lit.)(dec.)

Solubility Soluble in water (100 mg/ml), glycerol (1 g/18 ml), 95% ethanol (1 g/100 ml), absolute ethanol (1 g/315 ml), DMSO, and methanol. Insoluble in benzene, hexane, chloroform, and ether.

Refractive Index 1.71 (Predicted)

Density 1.65 g/cm³