Creative Enzymes®

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	C12H17N4OSCl•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