

Thiamine pyrophosphate

Cat. No. COEC-046

Lot. No. (See product label)

Introduction

Description

Thiamine pyrophosphate is a vitamin B-1 derivative that acts as a coenzyme of transketolase. Thiamine pyrophosphate is used in studies to assess decarboxylation mechanisms in biological systems.

Applications

A vitamin and transketolase coenzyme

Synonyms

Aneurinepyrophosphoric acid; Cocarboxylase; Thiamine pyrophosphate chloride

Product Information

Appearance

Powder or crystalline

Form

Solid

CAS No.

154-87-0

Molecular Formula

C₁₂H₁₉N₄O₇P₂S•Cl

Molecular Weight

460.77

Purity

≥96%

Melting Point

240-244° C

Solubility

Water (50 mg/ml)