

## 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** C<sub>12</sub>H<sub>19</sub>N<sub>4</sub>O<sub>7</sub>P<sub>2</sub>S•Cl

**Molecular Weight** 460.77

**Purity** ≥96%

**Melting Point** 240-244° C

**Solubility** Water (50 mg/ml)