

## 6,7-Dimethyl-5,6,7,8-tetrahydropterine hydrochloride

Cat. No. COEC-094

Lot. No. (See product label)

### Introduction

#### Description

6,7-Dimethyl-5,6,7,8-tetrahydropterine hydrochloride is a synthetic reduced pterin cofactor for nitric oxide synthetase, and for phenylalanine, tyrosine, and tryptophan hydroxylases; less active than the natural cofactor, tetrahydrobiopterin (BH<sub>4</sub>).

#### Applications

A synthetic reduced pterin cofactor

#### Synonyms

DMPH<sub>4</sub>; 2-Amino-6,7-dimethyl-4-hydroxy-5,6,7,8-tetrahydropteridine

### Product Information

#### Appearance

Powder

#### Form

Solid

#### CAS No.

945-43-7

#### Molecular Formula

C<sub>8</sub>H<sub>13</sub>N<sub>5</sub>O•HCl

#### Molecular Weight

231.68

#### Purity

≥95%

#### Melting Point

244-247° C

#### Solubility

Soluble in Oxygen free water with heat added (50 mg/ml).