

## 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 (BH4).

**Applications** A synthetic reduced pterin cofactor

**Synonyms** DMPH4; 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).