Creative Enzymes®

# 7,8-Dihydro-L-biopterin

*Cat. No. COEC-066*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | 7,8-dihydro-L-Biopterin is a precursor of BH4 synthesis and a noncompetitive inhibitor of GCH-I (GTP cyclohydrolase I), with a Ki of 14.4 μM. |
| ***Applications*** | A precursor of BH4 synthesis |
| ***Synonyms*** | BH2; Dihydrobiopterin; Quinonoid dihydrobiopterin |

## Product Information

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| ***Appearance*** | Powder |
| ***Form*** | Solid |
| ***CAS No.*** | 6779-87-9 |
| ***Molecular Formula*** | C9H13N5O3 |
| ***Molecular Weight*** | 239.23 |
| ***Purity*** | ≥98% |
| ***Solubility*** | Slightly soluble in water (2mg/ml, 22°C, ultrasonication) |