Creative Enzymes®

7,8-Dihydro-L-biopterin-d3

Cat. No. COEC-091

Lot. No. (See product label)

Introduction

Description	7,8-Dihydro-L-biopterin-d3 is a labeled reduced form of Biopterin. An oxidation product of tetrahydrobiopterin, a naturally occurring cofactor of the aromatic amino acid hydroxylase, is involved in the synthesis of tyrosine and neurotransmitters dopamine and serotonin. It is a noncompetitive inhibitor of GTP cyclohydrolase I, with a Ki of 14.4 μM.
Applications	noncompetitive inhibitor of GTP cyclohydrolase I
Synonyms	2-Amino-6-[(1R,2S)-1,2-dihydroxypropyl]-7,8-dihydro-4(3H)-pteridinone; 7,8-Dihydrobiopterin

Product Information

Form	Solid
CAS No.	6779-87-9 (unlabeled)
Molecular Formula	C9H10D3N5O3
Molecular Weight	242.25