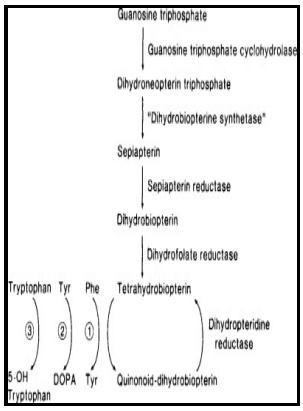
Dihydropteridine reductase from man and the rat.

University of Aston. Department of Chemistry - Dihydropteridine Reductase



Description: -
-Dihydropteridine reductase from man and the rat.
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Notes: Thesis (PhD) - University of Aston in Birmingham, 1985.
This edition was published in 1985

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Tags: #The #Effect #of #Lead #and #Aluminium #on #Rat #Dihydropteridine #Reductase

Dihydropteridine reductase deficiency

Methylation of the 10-hydroxy group reduces, whereas the 2-hydroxyl substitution of the A ring enhances, their inhibitory potency. As described in my commentary, sepiapterin reductase from rat brain and erythrocytes is inhibited by various catecholamines and indole amines such as norepinephrine and N-acetylserotonin Katoh, Sueoka and Yamada, 1982. Bio-Techne appreciates the critical role that you and our products and services play in research efforts to further scientific innovation and discovery.

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In contrast to the rat enzyme, human DHPR contains two bound NADH molecules per dimer and despite the sequential amino acid changes there are only small differences between the two structures.

Th protein (Rattus norvegicus)

Following the classical mechanisms of dehydratation, one molecule of water is released and the product quinonoid dihydrobiopterin is reduced back to BH 4 in a NADH-dependent reaction. .

Human/Mouse/Rat QDPR Antibody AF8038: R&D Systems

Inclusion on this list is not an endorsement by GARD.

Inhibition of dihydropteridine reductase from human liver and rat striatal synaptosomes by apomorphine and its analogs

Note that the 'protein existence' evidence does not give information on the accuracy or correctness of the sequence s displayed. Successfully treated females who have reached reproductive age may expose their offspring who are obligate heterozygotes to abnormal embryonic and fetal development.

Qdpr

Control of Hereditary Disorders Annual Reviews. Dihydropteridine reductase recycles quinonoid dihydropterin q BH2 back to the phenylketonuria PKU is approximately 6.

Dihydropteridine Reductase

Seems to both prevent the formation of 7-pterins and accelerate the formation of quinonoid-BH2. Dihydrofolate reductase of Moritella profunda sp.

Dihydropteridine Reductase

High phenylalanine levels may disturb the transport of amino acids, in particular tryptophan required for the formation of serotonin see next section , into cells of the central nervous system. NFNB, bacterial recombinant 7830 BioVision, Inc. S, Dhpr, nfnB, LOC5568428, dhpr, qdpra Background Recommended name: Dihydropteridine reductase.

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