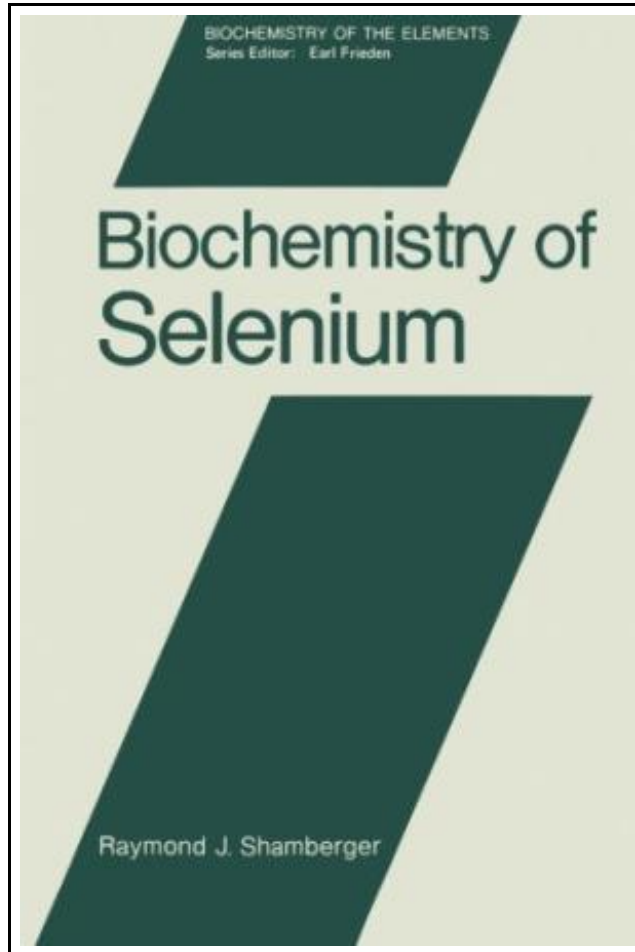


Biochemistry of Selenium



Filesize: 4.66 MB

Reviews

Thorough information! Its this type of great go through. It is amongst the most incredible publication i actually have read through. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Germaine Welch)

BIOCHEMISTRY OF SELENIUM

DOWNLOAD



Book Condition: New. Publisher/Verlag: Springer, Berlin | In recent years many exciting research results have indicated that selenium, depending on its concentration, can influence mammalian metabolism. It has been estimated that in selenium-deficient areas, selenium or selenium-vitamin E combinations added to animal feed can prevent annual losses to beef and dairy cattle and sheep valued at 545 million dollars and poultry and swine losses valued at 82 million dollars. Some animal diseases that can be prevented by a selenium-supplemented diet include liver necrosis, nutritional muscular dystrophy, exudative diathesis, pancreatic degeneration, mulberry heart disease, infertility, growth impairment, periodontal disease, and encephalomalacia. Selenium intake levels are dependent on the plant or animal feed concentrations, which, in turn, are dependent on the pH of the soil and the types of rocks from which the soils are derived. At normal metabolic levels selenium possesses an antioxidant effect manifested through glutathione peroxidase, and selenium also has an effect on cytochrome P-450 and heme metabolism. Comparisons are made between metabolism of selenium and sulfur in plants, animals, and humans. At greater selenium intake levels acute poisoning occurs when high-selenium-content (10,000 ppm Se) plants are consumed in large quantities. The toxic reactions were first manifested in cavalry horses near Fort Randall, Nebraska, in the 1860s. | 1. Forms of Selenium.- 1.1 Low Molecular-Weight Compounds.- 1.1.1 Selenocysteine.- 1.1.2 Selenocystine.- 1.1.3 Selenohomocysteine.- 1.1.4 Se-methylselenocysteine.- 1.1.5 Selenocystathionine.- 1.1.6 Selenomethionine.- 1.1.7 Se-methylselenomethionine.- 1.1.8 Dimethyl Selenide.- 1.1.9 Dimethyl Diselenide.- 1.1.10 Trimethyl Selenonium.- 1.1.11 Elemental Selenium.- 1.1.12 Selenotaurine.- 1.1.13 Selenocoenzyme A.- 1.1.14 Other Compounds.- 1.2 Macromolecular Forms of Selenium.- 1.2.1 Formate Dehydrogenase.- 1.2.2 Glycine Reductase.- 1.2.3 Nicotinic Acid Hydroxylase.- 1.2.4 Xanthine Hydrogenase.- 1.2.5 Thiolase.- 1.2.6 Glutathione Peroxidase.- 1.2.7 Miscellaneous Selenoproteins.- 1.2.8 Seleno-tRNA's.- 1.1.11 References.- 2. Selenium Deficiency Diseases in Animals.- 2.1 Introduction.- 2.2 Dietary...



[Read Biochemistry of Selenium Online](#)



[Download PDF Biochemistry of Selenium](#)

Other Kindle Books



Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years...

[Read ePub »](#)



Violet Rose and the Surprise Party

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a...

[Read ePub »](#)



JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2006-01-01 Pages: 179 Publisher: the China Pictorial Our book is all...

[Read ePub »](#)



Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book....

[Read ePub »](#)



Lans Plant Readers Clubhouse Level 1

Barron's Educational Series. Paperback. Book Condition: New. Paperback. 24 pages. Dimensions: 8.9in. x 5.7in. x 0.3in.This is volume six, Reading Level 1, in a comprehensive program (Levels 1 and 2)for beginning readers. Two nine-book sets...

[Read ePub »](#)

**Read Write Inc. Phonics: Grey Set 7 Non-Fiction 1 a Job for Jordan**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 207 x 164 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

[Read Book »](#)

**Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: A Yak at the Picnic (Hardback)**

Oxford University Press, United Kingdom, 2014. Hardback. Book Condition: New. Mr. Nick Schon (illustrator). 177 x 148 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling

[Read Book »](#)

**Read Write Inc. Phonics: Blue Set 6 Non-Fiction 1 Save the Whale**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 185 x 72 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

[Read Book »](#)

**31 Moralistic Motivational Bedtime Short Stories for Kids: 1 Story Daily on Bedtime for 30 Days Which Are Full of Morals, Motivations Inspirations**

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Reading to children is a wonderful activity and past time that both parents

[Read Book »](#)

**Read Write Inc. Phonics: Blue Set 6 Non-Fiction 2 How to Make a Peach Treat**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 205 x 74 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

[Read Book »](#)