



An American Text-Book of Physiology Volume 1

By Henry Pickering Bowditch

TheClassics.us. Paperback. Book Condition: New. This item is printed on demand. Paperback. 330 pages. Dimensions: 9.7in. x 7.4in. x 0.7in. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1900 edition. Excerpt: . . . is the name given to two organic acids, glyco-cholic and taurocholic, which are always present in bile, and, indeed, form very important constituents of that secretion; they occur in the form of their respective sodium salts. In human bile both acids are usually found, but the proportion of taurocholate is variable, and in some cases this latter acid may be absent altogether. Among herbivora the glycocholate predominates as a rule, although there are some exceptions; among the carnivora, on the other hand, taurocholate occurs usually in greater quantities, and in the dogs bile it is present alone. Glycocholic acid has the formula $C_{12}H_{21}NO_7$, and taurocholic acid has the formula $C_{23}H_{41}NSO_7$. Each of them can be obtained in the form of crystals. When boiled with acids or alkalis these acids take up water and undergo hydrolytic cleavage, the reaction being represented by the following equations:...



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