

Ampholytes

Ampholytes are substances that behave as both acids and bases. They have the properties of neutral molecules with a free electron pair on an anion or an electronegative atom. A proton dissociates as well as binds (a proton does not exist as a separate particle). Ampholytes, for example: water, hydrogen anions (H_2PO_4^- , HCO_3^-), conversion of amino acids into proteins (acid with $-\text{COOH}$ and base with $-\text{NH}_2$) bound in one molecule.^[1]

Links

Related articles

- Base
- Theory of acids and bases
- Approximate solubilities of ionic compounds

References

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1. MATOUŠ, Bohuslav, et al. *Základy lékařské chemie a biochemie*. 1. vydání. Praha : Galén, 2010. 540 s. ISBN 978-80-7262-702-8.