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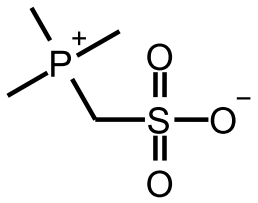
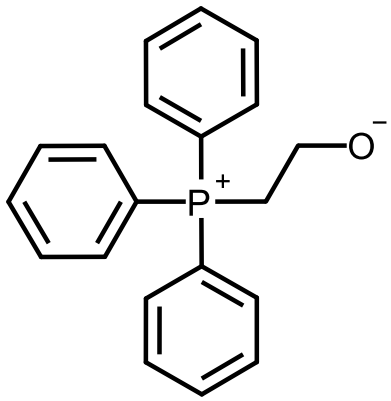
betaines

Originally, the compound betaine, $(CH_3)_3N^+–CH_2C(=O)O^-$ *N,N,N*-trimethylammonioacetate, and similar zwitterionic compounds derived from other amino acids. By extension, neutral molecules having charge-separated forms with an onium atom which bears no hydrogen atoms and that is not adjacent to the anionic atom. Betaines cannot be represented without formal charges. E.g.





See also: dipolar compounds, mesoionic compounds, ylides, zwitterionic compounds

Source:
PAC, 1995, *67*, 1307 *(Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995))* on page 1322

