

arenium ions

Cations derived formally by the addition of a hydron or other cationic species to any position of an arene, e.g. $C_6H_7^+$, benzenium. The term includes:

1. Arenium σ -adducts (Wheland intermediates) (which are considered to be intermediates in electrophilic aromatic substitution reactions) and other cyclohexadienyl cations.



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2. Arenium π -adducts, such as:



[σ -adduct (sigma-adduct), π -adduct (pi-adduct)].

See: aryl cations

Source:

PAC, 1995, 67, 1307 (*Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995)*) on page 1318

See also:

PAC, 1994, 66, 1077 (*Glossary of terms used in physical organic chemistry (IUPAC Recommendations 1994)*) on page 1077