

arsanes

The saturated hydrides of trivalent arsenic, having the general formula $\text{As}_n\text{H}_{n+2}$. Individual members having an unbranched arsenic chain are named arsane, diarsane, triarsane, etc. The name of a saturated hydride of arsenic where one or more arsenic atoms have bonding number 5 is formed by prefixing locants and λ^5 symbols to the name of the corresponding arsane, e.g. $\text{H}_2\text{AsAsHAsH}_2$ triarsane, $\text{H}_4\text{AsAsH}_3\text{AsH}_4$ $1\lambda^5, 2\lambda^5, 3\lambda^5$ -triarsane. Hydrocarbyl derivatives of AsH_3 belong to the class arsines.

1995, 67, 1319