

A simple link between hydrocarbon and boronhydride chemistries

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ABSTRACT

A link between the hydrocarbon and boronhydride chemistries is established by showing that hydrocarbons and boronhydrides have a common root regulated by the number of valence electrons in a confined space. Application of the proposed method to archetypal hydrocarbons leads to well-known boronhydrides but, more importantly, it allows the design of new interesting boron-containing molecules that can be a source of inspiration for synthetic chemists.