



Where Our Expertise Meets Your Outsourcing Needs

Boronic Acids and Esters

Our featured building blocks

Boronic Acids:

- Alkyl boronic acids
- Akenyl boronic acids
- Aryl boronic acids
- Heteroaryl boronic acids

Pinacol Esters:

- Alkyl boronic acid pinacol esters
- Akenyl boronic acid pinacol esters
- Aryl boronic acid pinacol esters
- Heteroaryl boronic acid pinacol esters

Trifluoro borates:

- Akenyl trifluoroborates
- Aryl trifluoroborates
- Heteroaryl trifluoroborates

In addition, ARCI offers custom synthesis of products tailored to your specific needs. For more information, please contact:

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Boronic acid derivatives have emerged as one of the most important building blocks in the modern organic synthesis due to their wide spreading applications in constructing complex organic molecules. The increasing popularity of the boronic acid derivatives has been observed over the past decade due to their synthetic, biological and medicinal applications. Recently, more advanced boronic esters are also evolved to overcome the minor drawbacks such as instability for long time storage, solubility issues etc. that are associated with some boronic acids. The new generation building blocks include, pinacol esters, tert. butyl esters, N-methylimino diacetic acid (MIDA) esters², trifluoroborates^{3,4} etc. At ARCI, we have developed a wide range of boronic acids and esters as versatile building blocks and offer them at any quantities of your choice.

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Selected publications on boronic acid derivatives:

1. Dennis Hall, Ed., "Boronic Acids: Preparation and Applications in Organic Synthesis, Medicine and Materials Vol 1 & 2, 2nd Ed., 2011
2. Gillis, E. P.; Burke, M. D. J. Am. Chem. Soc. 2007, 129, 6716.
3. Guy C. Lloyd-Jones et al., Angew. Chem. Int. Ed., 2012, 51, 9385
4. Gary A Molander et al., J. Org. Chem., 2009, 74, 973