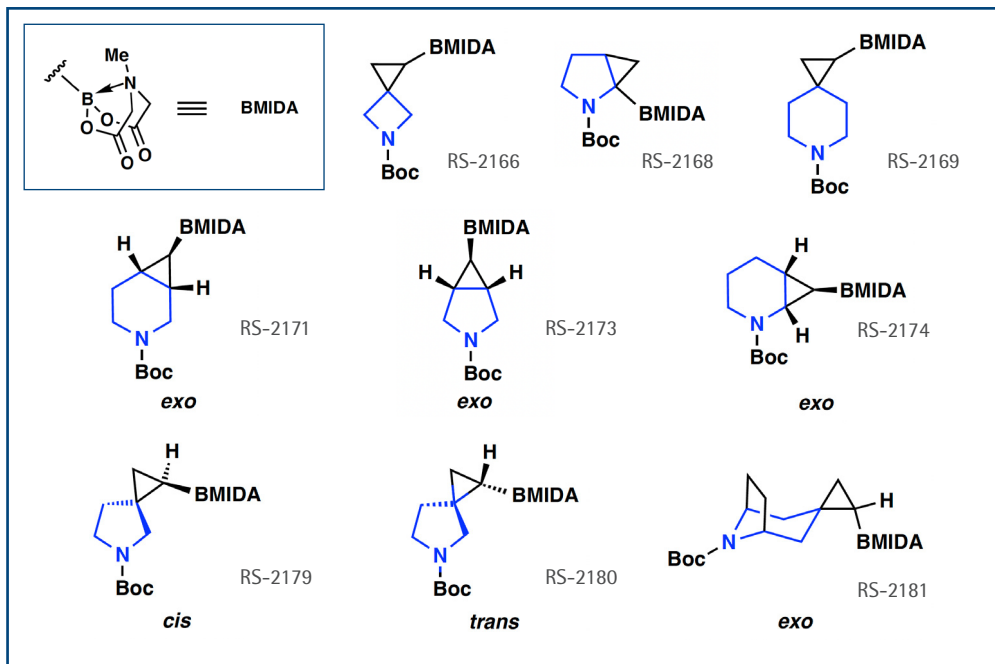


The Suzuki-Miyaura cross-coupling reaction of boronic acids is one of the most commonly used reactions in the organic chemistry toolbox. These small, novel, bi-functional BMIDA compounds can be used as scaffolds or to introduce 3D exit vectors to existing compounds.

These novel BMIDA compounds are crystalline, stable and easily handled/dispensed. Under standard Suzuki-Miyaura cross-coupling conditions, they generate boronic acids in situ and can thus be effectively utilized in cross-couplings.

The academic team have demonstrated Suzuki-Miyaura cross-coupling reactions with a range of aryl bromides and this information is available upon request.



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Functional Group and Substructure Group Classes

BIONET Functional Groups

Alcohols
Aldehydes
Amines
Amino Acids
Aromatic OH
Boron Compounds
Carboxylic Acids
Diamines
Dicarbonyls 1,3
Esters
Fluorinated Compounds
Hydrazides
Hydrazines
Hydroxylamines
Ketones
Miscellaneous Functional Groups
Nitriles
Protected Compounds
Reactive Halides
Saturated Compounds
Spiro Compounds
Sulphonyl Chlorides
Thiols

BIONET Substructure Groups

Anilines
Azaindoles
Benzimidazoles
Benzodioxepines
Benzodioxines
Benzodioxoles
Benzofurans
Benzothiadiazole
Benzothiazines
Benzothiazoles
Benzothiaphenes
Benzoxazines
Benzoxazoles/Benzisoxazoles
Furans
Imidazoles
Indoles
Isoindoles
Isoquinolines
Isothiazoles
Isoxazoles
Naphthalenes
Naphthyridines
Other Ring Systems
Oxadiazoles
Oxazoles
Piperidines
Pyrans
Pyrazoles
Pyrazolopyridines
Pyridines
Pyrimidines
Pyrroles
Pyrrolidines
Quinazoline
Quinolines
Quinoxalines
Thiadiazoles
Thiazolanes
Thiazoles
Thiaphenes
Triazoles

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