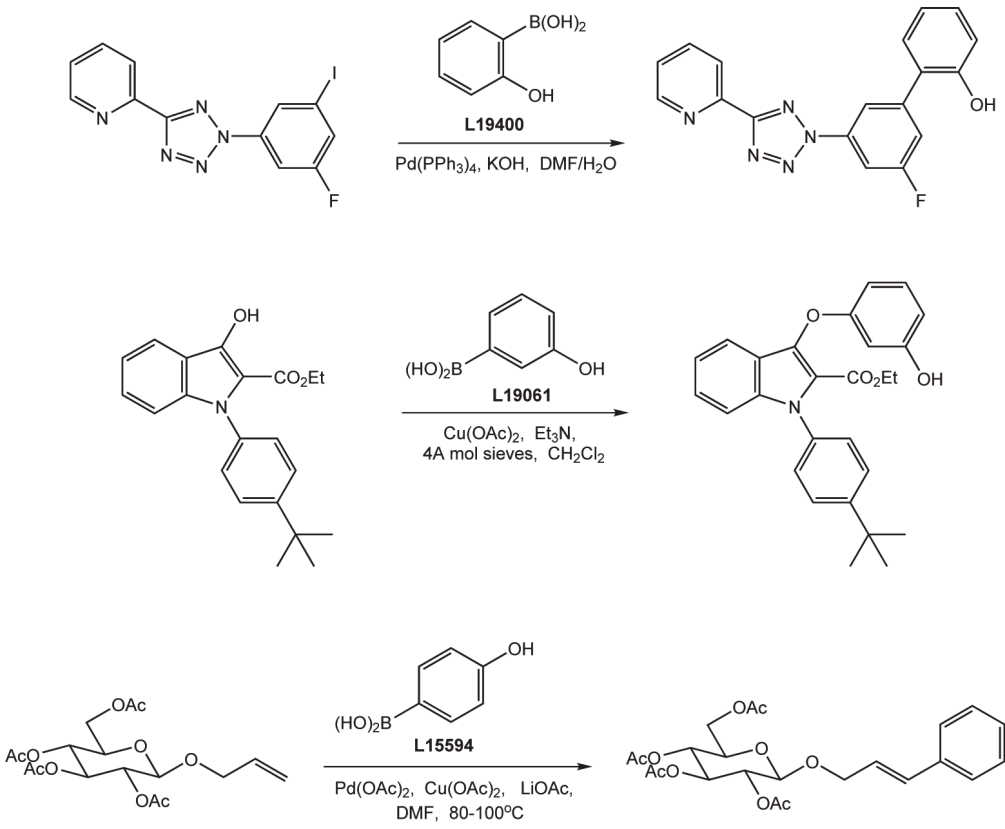
Hydroxybenzeneboronic Acids

Hydroxy-substituted benzene rings are present in mamny natural products and potential drug candidates. Hydroxybenzeneboronic acids provide a variety of mild routes for introducing this component, illustrated here by the use of the 2-isomer in a Suzuki coupling methodology in the synthesis of tetrazole derivatives as mGluR5 antagonists[1], the 3-isomer in copper-catalyzed O-arylation of 3-hydroxyindoles in a route to PPAR3 partial agonsists[2], and the 4-isomer in a Mizoroki-Heck formation of the glucopyranoside natural product Sachaliside.[3]

Alfa Aesar is pleased to offer all three isomers.



Item	Description	CAS
L19400	2-Hydroxybenzeneboronic acid, 97%	89466-08-0
L19061	3-Hydroxybenzeneboronic acid, 97%	87199-18-6
L15594	4-Hydroxybenzeneboronic acid, 97%	71597-85-8

[1] B. Eastman *et al*., *Bioorg. Med. Chem. Lett.*, 2004, **14**, 5485.
[2] J.F. Dropinski *et al*., *Bioorg. Med. Chem. Lett.*, 2005, **15**, 5035.
[3] M. Kishida, H. Akita, *Tetrahedron Lett.*, 2005, **46**, 4123; 2005, **61**, 10559.