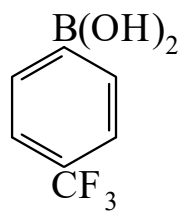




>>Entry Name: Dihydroxy[4-(trifluoromethyl)phenyl]borane

Synonym(s): [4-(Trifluoromethyl)phenyl]boronic acid, 12Cl



CAS Registry Number: 128796-39-4

Molecular Formula: $C_7H_6BF_3O_2$

Molecular Weight: 189.929

Accurate Mass: 190.041294

Percentage Composition: C 44.27%; H 3.18%; B 5.69%; F 30.01%; O 16.85%

Source/Synthesis: Synth. from 4-F₃CC₆H₄Li + B(OEt)₃ followed by hydrol.

Physical Description: Cryst. (H₂O)

Melting Point: Mp 230-235°

Aldrich: 43932-0

References:

Morgan, J. *et al.*, *J.C.S. Perkin I*, 1990, 715, (*synth, uv, pmr*)

Ishihara, K. *et al.*, *J.A.C.S.*, 1993, **115**, 11490, (*synth, ir, pmr, cmr*)