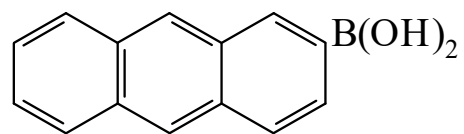




>>Entry Name: **2-Anthracenylboronic acid**, 13Cl

Synonym(s): 2-Anthracenyldihydroxyborane



CAS Registry Number: 141981-64-8

Molecular Formula: C₁₄H₁₁BO₂

Molecular Weight: 222.051

Accurate Mass: 222.08521

Percentage Composition: C 75.73%; H 4.99%; B 4.87%; O 14.41%

Source/Synthesis: Synth. from 2-anthracenylmagnesium bromide + B(OMe)₃ followed by hydrol.

Use/Importance: Reagent for fluorescent chemosensing of carbohydrates, catechol and catecholamines

Physical Description: Cryst.

Melting Point: Mp 320 dec.°

References:

Yoon, J. *et al.*, *J.A.C.S.*, 1992, **114**, 5874, (*synth, use*)

Yoon, J. *et al.*, *Bioorg. Med. Chem.*, 1993, **1**, 267, (*synth, use*)