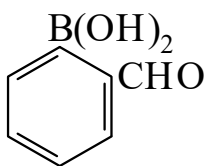




>>Entry Name: (2-Formylphenyl)dihydroxyborane

Synonym(s): (2-Formylphenyl)boronic acid, 9CI. *o*-Formylbenzeneboronic acid, 8CI



CAS Registry Number: 40138-16-7

Molecular Formula: C₇H₇BO₃

Molecular Weight: 149.941

Accurate Mass: 150.048825

Percentage Composition: C 56.07%; H 4.71%; B 7.21%; O 32.01%

Use/Importance: Benzodiazaborine derivs. prepd. from the title compd. have bactericidal props.

Physical Description: Needles (H₂O) or cryst. (MeNO₂)

Melting Point: Mp 118-120 dec.° (dehydrates). Mp 163-165° (double Mp)

Solubility: Spar. sol. CCl₄, cyclohexane; mod. sol. toluene; v. sol. hot H₂O

Aldrich: 43195-8

Fluka: 47744

References:

Torssell, K., *Ark. Kemi*, 1957, **10**, 507, (*synth*)

Snyder, H.R. *et al.*, *J.A.C.S.*, 1958, **80**, 835, (*synth*)

Tschampel, P. *et al.*, *J.O.C.*, 1964, **29**, 2168, (*synth*)

Yang, Y. *et al.*, *J. Het. Chem.*, 1989, **26**, 865, (*props*)

Wytko, J.A. *et al.*, *J.O.C.*, 1992, **57**, 1017, (*synth, pmr*)

Scouten, W.H. *et al.*, *J. Chem. Crystallogr.*, 1994, **24**, 621, (*synth, pmr, cryst struct*)