



>>Entry Name: Tris(trifluoroacetoxy)borane

Synonym(s): Trifluoroacetic acid trianhydride with boric acid (H_3BO_3), 10Cl, 9Cl. Boron tris(trifluoroacetate)

CAS Registry Number: 350-70-9

$\text{B}(\text{OOCF}_3)_3$

Molecular Formula: $\text{C}_6\text{BF}_9\text{O}_6$

Molecular Weight: 349.859

Accurate Mass: 349.964422

Percentage Composition: C 20.60%; B 3.09%; F 48.87%; O 27.44%

Use/Importance: Deprotecting agent in amino acid and peptide synth.

Physical Description: Moisture-sensitive

Melting Point: Mp 88 dec.°

Aldrich: 18339-3

References:

Gerrard, W. *et al.*, *J.C.S.*, 1958, 3648, (*synth*)

Pless, J. *et al.*, *Angew. Chem., Int. Ed.*, 1973, **12**, 147, (*synth*)

Olah, G.A. *et al.*, *J.A.C.S.*, 1975, **97**, 5481, (*F-19 nmr*)

Bauer, W. *et al.*, *Pept.: Chem., Struct. Biol., Proc. Am. Pept. Symp.*, 4th, 1975, 341, (*use*)