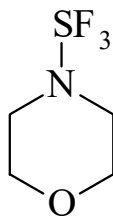




>>Entry Name: Trifluoro(morpholinato-*N*⁴)sulfur, 9Cl

Synonym(s): Morpholinosulfur trifluoride. Morph-DAST



CAS Registry Number: 51010-74-3

Molecular Formula: C₄H₈F₃NOS

Molecular Weight: 175.174

Accurate Mass: 175.027868

Percentage Composition: C 27.43%; H 4.60%; F 32.54%; N 8.00%; O 9.13%; S 18.31%

Use/Importance: Fluorinating agent

Physical Description: Liq.

Boiling Point: Bp_{0.5} 41-42°

Refractive Index: n_D²⁰ 1.4545

Aldrich: 33891-5

Fluka: 69961

References:

Markovskii, L.N. *et al.*, *Synthesis*, 1973, 787, (*synth, use*)