



>>Entry Name: Perfluoro(propyl vinyl ether)

Synonym(s): 1,1,1,2,2,3,3-Heptafluoro-3-[(trifluoroethenyl)oxy]propane, 9CI. Heptafluoropropyl trifluorovinyl ether, 8CI

CAS Registry Number: 1623-05-8

$\text{F}_2\text{C}=\text{CFOCF}_2\text{CF}_2\text{CF}_3$

Molecular Formula: $\text{C}_5\text{F}_{10}\text{O}$

Molecular Weight: 266.038

Accurate Mass: 265.978945

Percentage Composition: C 22.57%; F 71.41%; O 6.01%

Use/Importance: Component of fluoroelastomers

Physical Description: Liq.

Boiling Point: Bp 35-36°

References:

U.S. Pat., 1963, 3 114 778; *CA*, **60**, 6750c, (*synth*)

U.S. Pat., 1965, 3 180 895; *CA*, **63**, 1707f, (*synth*)

U.S. Pat., 1966, 3 291 843; *CA*, **66**, 37427h, (*synth*)

Von Werner, K. *et al.*, *J. Fluorine Chem.*, 1986, **31**, 183-196, (*O-17 nmr*)

Hung, M.-H. *et al.*, *J.O.C.*, 1994, **59**, 4332-4335, (*synth*, *F-19 nmr*)