



>>Entry Name: **2,2,3,3,4,4,4-Heptafluorobutyl acrylate**, 8CI

Synonym(s): 2,2,3,3,4,4,4-Heptafluorobutyl 2-propenoate, 9CI. 1,1-Dihydroperfluorobutyl acrylate

CAS Registry Number: 424-64-6

$\text{H}_2\text{C}=\text{CHCOOCH}_2\text{CF}_2\text{CF}_2\text{CF}_3$

Molecular Formula: $\text{C}_7\text{H}_5\text{F}_7\text{O}_2$

Molecular Weight: 254.104

Accurate Mass: 254.017776

Percentage Composition: C 33.09%; H 1.98%; F 52.34%; O 12.59%

Use/Importance: Monomer

Boiling Point: Bp₄₀ 43°. Bp₃₀ 58°

Refractive Index: n_D²⁰ 1.3324

Other Data: Q/e values for copolym., Q 0.96, e +1.34

Aldrich: 44375-1

References:

U.S. Pat., 1954, 2 666 797; *CA*, **49**, 1772g, (*synth*)

Sandberg, C.L. *et al.*, *J. Polym. Sci.*, 1955, **15**, 553, (*polym, reactivity*)

Greenley, R.Z., *J. Macromol. Sci., Chem., Part A*, 1980, **14**, 427, (*Q/e values*)