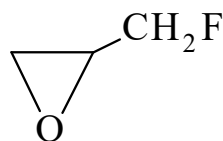




>>Entry Name: (Fluoromethyl)oxirane, 9CI

Synonym(s): 1,2-Epoxy-3-fluoropropane, 8CI. Epifluorohydrin



CAS Registry Number: 503-09-3

Related CAS Registry Numbers(s): 83398-56-5 130796-94-0

Molecular Formula: C<sub>3</sub>H<sub>5</sub>FO

Molecular Weight: 76.07

Accurate Mass: 76.032443

Percentage Composition: C 47.37%; H 6.62%; F 24.97%; O 21.03%

Aldrich: E110-1

Sigma: E8503

>>Variant: (±)-form

CAS Registry Number: 103129-23-3

Molecular Formula: C<sub>3</sub>H<sub>5</sub>FO

Molecular Weight: 76.07

Accurate Mass: 76.032443

Percentage Composition: C 47.37%; H 6.62%; F 24.97%; O 21.03%

Physical Description: Liq.

Boiling Point: Bp 84-85°

Density: d<sub>4</sub><sup>20</sup> 1.067

Refractive Index: n<sub>D</sub><sup>25</sup> 1.3679

Other Data: (R)-form also known, no phys. props. reported. Has been polym. using an FeCl<sub>3</sub> complex catalyst

Hazard & Toxicity: Fl. p. 4°. Lachrymator, corrosive

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