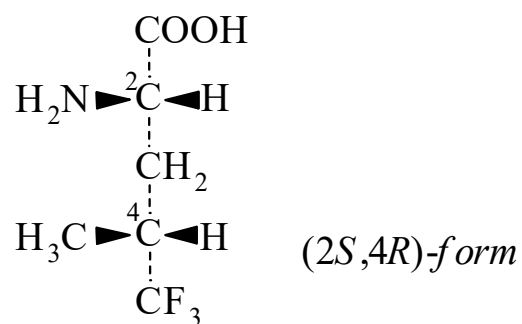




>>Entry Name: 2-Amino-5,5,5-trifluoro-4-methylpentanoic acid

Synonym(s): 5,5,5-Trifluoroleucine, 9Cl



CAS Registry Number: 372-22-5

Molecular Formula: C<sub>6</sub>H<sub>10</sub>F<sub>3</sub>NO<sub>2</sub>

Molecular Weight: 185.146

Accurate Mass: 185.066363

Percentage Composition: C 38.92%; H 5.44%; F 30.78%; N 7.57%; O 17.28%

Other: Oakwood 1540

>>Variant: (2*S*,4*R*)-form

CAS Registry Number: 96037-91-1

Molecular Formula: C<sub>6</sub>H<sub>10</sub>F<sub>3</sub>NO<sub>2</sub>

Molecular Weight: 185.146

Accurate Mass: 185.066363

Percentage Composition: C 38.92%; H 5.44%; F 30.78%; N 7.57%; O 17.28%

Physical Description: Microcryst. powder

Melting Point: Mp 243 dec.°

Optical Rotation:  $[\alpha]_{\text{D}}^{20} +17.6$  (c, 1 in H<sub>2</sub>O)

>>Variant: (2*S*,4*S*)-form

CAS Registry Number: 96037-92-2

Molecular Formula: C<sub>6</sub>H<sub>10</sub>F<sub>3</sub>NO<sub>2</sub>

Molecular Weight: 185.146

Accurate Mass: 185.066363

Percentage Composition: C 38.92%; H 5.44%; F 30.78%; N 7.57%; O 17.28%

Melting Point: Mp 245 dec.°

Optical Rotation:  $[\alpha]_{\text{D}}^{20} -17$  (c, 1 in H<sub>2</sub>O)

#### References:

Weinges, K. *et al.*, *Annalen*, 1985, 90, (*synth*, *pmr*, *cmr*, *cd*)

Taguchi, T. *et al.*, *Tet. Lett.*, 1986, **27**, 5117, (*synth*)