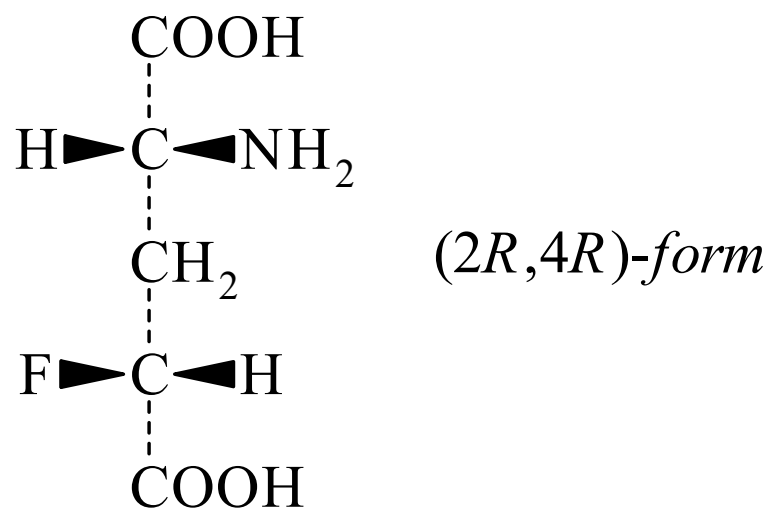




>>Entry Name: **2-Amino-4-fluoropentanedioic acid**

Synonym(s): 4-Fluoroglutamic acid, 9Cl. 2-Amino-4-fluoroglutaric acid



CAS Registry Number: 2708-77-2

Related CAS Registry Numbers(s): 18822-84-9 26432-31-5 26432-32-6 32653-38-6 95188-56-0

Molecular Formula: C₅H₈FNO₄

Molecular Weight: 165.121

Accurate Mass: 165.043737

Percentage Composition: C 36.37%; H 4.88%; F 11.51%; N 8.48%; O 38.76%

Sigma: F3258

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

Synonym(s): D-*threo*-form

CAS Registry Number: 149117-03-3

Molecular Formula: C₅H₈FNO₄

Molecular Weight: 165.121

Accurate Mass: 165.043737

Percentage Composition: C 36.37%; H 4.88%; F 11.51%; N 8.48%; O 38.76%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 196.5-197.5°

Optical Rotation: $[\alpha]_{\text{D}}^{26} -13.1$ (c, 1 in 1M HCl)

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

Synonym(s): D-*erythro*-form

CAS Registry Number: 132746-47-5

Molecular Formula: C₅H₈FNO₄

Molecular Weight: 165.121

Accurate Mass: 165.043737

Percentage Composition: C 36.37%; H 4.88%; F 11.51%; N 8.48%; O 38.76%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 181-182°

Optical Rotation: $[\alpha]_{\text{D}}^{25} -36.1$ (c, 1 in 1M HCl)

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

Synonym(s): L-*erythro*-form

CAS Registry Number: 32563-24-9

Molecular Formula: C₅H₈FNO₄

Molecular Weight: 165.121

Accurate Mass: 165.043737

Percentage Composition: C 36.37%; H 4.88%; F 11.51%; N 8.48%; O 38.76%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 182-183°

Optical Rotation: $[\alpha]_{\text{D}}^{25} +33.17$ (c, 1 in 1M HCl)