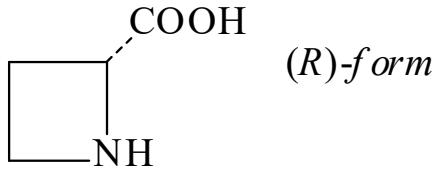
>>**Entry Name: 2-Azetidinecarboxylic acid,** 9CI



(*R*)-*form*

CAS Registry Number: 2517-04-6

Molecular Formula: $C_4H_7NO_2$
Molecular Weight: 101.105
Accurate Mass: 101.047679
Percentage Composition: C 47.52%; H 6.98%; N 13.85%; O 31.65%

>>**Variant:** (*R*)-form

CAS Registry Number: 7729-30-8
Molecular Formula: $C_4H_7NO_2$
Molecular Weight: 101.105
Accurate Mass: 101.047679
Percentage Composition: C 47.52%; H 6.98%; N 13.85%; O 31.65%
Optical Rotation: $[\alpha]_D^{20}$+102 (c, 3.6 in H_2O)

>>**Variant:** (*S*)-form

CAS Registry Number: 2133-34-8

Molecular Formula: $C_4H_7NO_2$
Molecular Weight: 101.105
Accurate Mass: 101.047679
Percentage Composition: C 47.52%; H 6.98%; N 13.85%; O 31.65%
Biological Source: Present in roots and leaves of *Convallaria majalis* (lily-of-the-valley) and other liliaceous plants and seeds of *Fritillaria meleagris*
Use/Importance: Seedling growth inhibitor. Proline antagonist
Physical Description: Cryst. (MeOH)
Optical Rotation: $[\alpha]_D^{20}$–108 (c, 3.6 in H_2O)
Solubility: Sol. H_2O
UV: [neutral] λ_{max} 0 (end) (ε) (H_2O) (Derep)
Other Data: Unstable in mineral acids. Does not melt but darkens at 270°
Hazard & Toxicity: Exp. reprod. and teratogenic effects ; BERDY HAZD : LD_{50} (mus, scu) 1000 mg/kg

Aldrich: A9630-4
Fluka: 11542
Sigma: A0760

>>**Derivative:** Me ester

CAS Registry Number: 69684-70-4
Molecular Formula: $C_5H_9NO_2$
Molecular Weight: 115.132
Accurate Mass: 115.063329
Percentage Composition: C 52.16%; H 7.88%; N 12.17%; O 27.79%
Physical Description: Cryst. (Et_2O/CH_2Cl_2) (as hydrochloride)
Optical Rotation: $[\alpha]_D$ –86.8 (c, 0.5 in H_2O) (hydrochloride)

>>**Derivative:** Amide

Molecular Formula: $C_4H_8N_2O$
Molecular Weight: 100.12
Accurate Mass: 100.063663
Percentage Composition: C 47.99%; H 8.05%; N 27.98%; O 15.98%
Physical Description: Cryst. (CH_2Cl_2/EtOAc)
Melting Point: Mp 114-116°
Optical Rotation: $[\alpha]_D^{28}$–182.9 (c, 1.007 in $CHCl_3$)