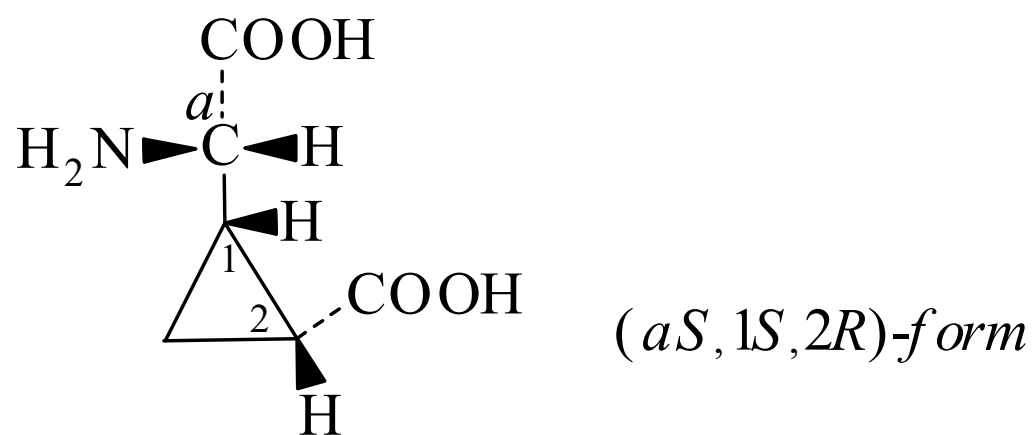




>>Entry Name:  $\alpha$ -Amino-2-carboxycyclopropaneacetic acid, 8Cl  
Synonym(s): 2-(Carboxycyclopropyl)glycine. 3,4-Methanoglutamic acid



Related CAS Registry Numbers(s): 22255-17-0 22255-18-1

**Molecular Formula:** C<sub>6</sub>H<sub>9</sub>NO<sub>4</sub>  
**Molecular Weight:** 159.141  
**Accurate Mass:** 159.053159  
**Percentage Composition:** C 45.28%; H 5.70%; N 8.80%; O 40.21%  
**Biological Use/Importance:** Metabotropic glutamate receptor agonist

>>Variant: ( $\alpha S, 1S, 2R$ )-form  
Synonym(s): L-*cis*-form

CAS Registry Number: 117857-95-1

**Molecular Formula:** C<sub>6</sub>H<sub>9</sub>NO<sub>4</sub>  
**Molecular Weight:** 159.141  
**Accurate Mass:** 159.053159  
**Percentage Composition:** C 45.28%; H 5.70%; N 8.80%; O 40.21%

**Physical Description:** Cryst. (EtOH/Me<sub>2</sub>CO/H<sub>2</sub>O)  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>20</sup> +25 (c, 1 in H<sub>2</sub>O). [ $\alpha$ ]<sub>D</sub> +58 (c, 0.5 in 5M HCl)  
**Sigma:** C1585

>>Variant: ( $\alpha S, 1S, 2S$ )-form  
Synonym(s): L-*trans*-form. L-CCG-I

CAS Registry Number: 117857-93-9

**Molecular Formula:** C<sub>6</sub>H<sub>9</sub>NO<sub>4</sub>  
**Molecular Weight:** 159.141  
**Accurate Mass:** 159.053159  
**Percentage Composition:** C 45.28%; H 5.70%; N 8.80%; O 40.21%

**Physical Description:** Cryst.  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>20</sup> +107 (c, 2 in H<sub>2</sub>O). [ $\alpha$ ]<sub>D</sub> +146 (c, 1 in 5M HCl)  
**Other Data:** Pharmacol. active isomer  
**Sigma:** C1710

>>Variant: ( $\alpha S, 1R, 2S$ )-form

CAS Registry Number: 117857-96-2

**Molecular Formula:** C<sub>6</sub>H<sub>9</sub>NO<sub>4</sub>  
**Molecular Weight:** 159.141  
**Accurate Mass:** 159.053159  
**Percentage Composition:** C 45.28%; H 5.70%; N 8.80%; O 40.21%  
**Biological Source:** Constit. of *Ephedra altissima* and *Ephedra foeminea*

References: