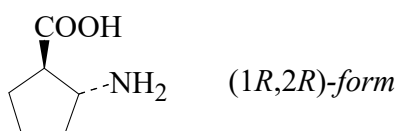




>>Entry Name: 2-Aminocyclopentanecarboxylic acid, 9Cl, 8Cl



CAS Registry Number: 3814-46-8

Molecular Formula: C<sub>6</sub>H<sub>11</sub>NO<sub>2</sub>

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

>>Variant: (1*R*,2*R*)-form

Synonym(s): (–)-*trans*-form

CAS Registry Number: 136315-77-0

Molecular Formula: C<sub>6</sub>H<sub>11</sub>NO<sub>2</sub>

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

>>Derivative: Hydrochloride

CAS Registry Number: 158414-44-9

Physical Description: Cryst. (H<sub>2</sub>O)

Melting Point: Mp 150-155°

Optical Rotation:  $[\alpha]_{\text{D}}^{25} -50.7$  (c, 0.7 in H<sub>2</sub>O)

>>Variant: (1*R*,2*S*)-form

Synonym(s): (–)-*cis*-form. **Cispentacin**. BMY 28795. BU 3201. FR 109615. Antibiotic BMY 28795. Antibiotic BU 3201. Antibiotic FR 109615

CAS Registry Number: 122672-46-2

Molecular Formula: C<sub>6</sub>H<sub>11</sub>NO<sub>2</sub>

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Biological Source: Isol. from *Bacillus cereus* and *Streptomyces setonii*

Use/Importance: Antifungal agent

Physical Description: Prisms (Me<sub>2</sub>CO/EtOH/H<sub>2</sub>O) or powder

Melting Point: Mp 227 dec.° (204-206°)

Optical Rotation:  $[\alpha]_{\text{D}}^{25} -10.7$  (c, 1 in H<sub>2</sub>O)

UV: [neutral]  $\lambda_{\text{max}}$  0 (end) ( $\epsilon$ ) (H<sub>2</sub>O) (Derep)

>>Derivative: Monohydrate

Melting Point: Mp 156-157°

Optical Rotation:  $[\alpha]_{\text{D}}^{20} -6.5$  (c, 1 in H<sub>2</sub>O)

>>Variant: (1*S*,2*S*)-form

CAS Registry Number: 64191-13-5

Molecular Formula: C<sub>6</sub>H<sub>11</sub>NO<sub>2</sub>

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Physical Description: Solid

Melting Point: Mp 224-226°

Optical Rotation:  $[\alpha]_{\text{D}}^{22} +81.2$  (c, 0.5 in H<sub>2</sub>O) (>=98% ee)