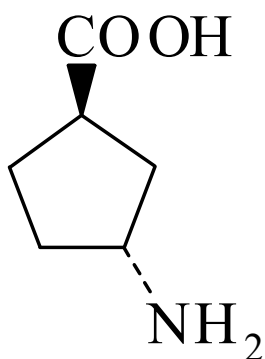




>>Entry Name: 3-Aminocyclopentanecarboxylic acid, 9CI, 8CI

Synonym(s): Cyclopentaminine



( 1*R*,3*R*)-*f o r m*

Related CAS Registry Numbers(s): 19042-35-4 49805-32-5 57376-72-4

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*,3*R*)-form

Synonym(s): (–)-*trans*-form

CAS Registry Number: 71869-43-7

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%

Use/Importance: Potent inhibitor of GABA uptake

Melting Point: Mp 253-256 dec.°

Optical Rotation: [α]<sub>D</sub> –22.3

>>Variant: (1*S*,3*S*)-form

Synonym(s): (+)-*trans*-form

CAS Registry Number: 71376-02-8

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%

Use/Importance: Potent inhibitor of GABA binding

Melting Point: Mp 264-266 dec.°

Optical Rotation: [α]<sub>D</sub> +23.1

>>Derivative: *N*-Phthalimide

Melting Point: Mp 174-175°

Optical Rotation: [α]<sub>D</sub> +31.4

>>Variant: (1*R*,3*S*)-form

Synonym(s): (–)-*cis*-form

CAS Registry Number: 71830-08-5

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%

Source/Synthesis: Degradn. prod. of Amidinomycin [CKN30-H](#)

Use/Importance: Weak GABA inhibitor

Melting Point: Mp 250-255 dec.°

Optical Rotation: [α]<sub>D</sub><sup>20</sup> –7 (c, 1 in H<sub>2</sub>O)