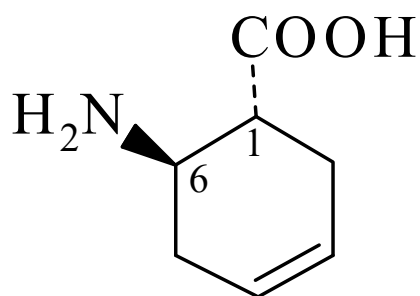




>>Entry Name: 6-Amino-3-cyclohexene-1-carboxylic acid, 9CI

Synonym(s): 1,2,3,6-Tetrahydroanthranilic acid



( 1*R S*, 6*R S*)-*f orm*

**Molecular Formula:** C<sub>7</sub>H<sub>11</sub>NO<sub>2</sub>

**Molecular Weight:** 141.169

**Accurate Mass:** 141.078979

**Percentage Composition:** C 59.56%; H 7.85%; N 9.92%; O 22.67%

>>Variant: (1*RS*,6*RS*)-form

Synonym(s): (±)-*trans*-form

**CAS Registry Number:** 97945-19-2

**Molecular Formula:** C<sub>7</sub>H<sub>11</sub>NO<sub>2</sub>

**Molecular Weight:** 141.169

**Accurate Mass:** 141.078979

**Percentage Composition:** C 59.56%; H 7.85%; N 9.92%; O 22.67%

**Physical Description:** Cryst. (Me<sub>2</sub>CO aq.)

**Melting Point:** Mp 267-269°

>>Variant: (1*RS*,6*SR*)-form

Synonym(s): (±)-*cis*-form

**CAS Registry Number:** 54162-90-2

**Molecular Formula:** C<sub>7</sub>H<sub>11</sub>NO<sub>2</sub>

**Molecular Weight:** 141.169

**Accurate Mass:** 141.078979

**Percentage Composition:** C 59.56%; H 7.85%; N 9.92%; O 22.67%

**Physical Description:** Cryst. (Me<sub>2</sub>CO aq.)

**Melting Point:** Mp 216-218°

>>Derivative: Hydrochloride

**CAS Registry Number:** 57266-56-5

**Melting Point:** Mp 210-213°

>>Derivative: Et ester

**CAS Registry Number:** 57266-62-3

**Molecular Formula:** C<sub>9</sub>H<sub>15</sub>NO<sub>2</sub>

**Molecular Weight:** 169.223

**Accurate Mass:** 169.110279

**Percentage Composition:** C 63.88%; H 8.93%; N 8.28%; O 18.91%

**Boiling Point:** Bp<sub>0.2</sub> 65-67°

>>Derivative: Et ester; hydrochloride

**CAS Registry Number:** 57266-61-2

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

**Melting Point:** Mp 85-87°

#### References:

Kricheldorf, H.R., *Annalen*, 1975, 1387, (*synth*)

Bernáth, G. *et al.*, *Tetrahedron*, 1985, **41**, 1353, (*synth*)