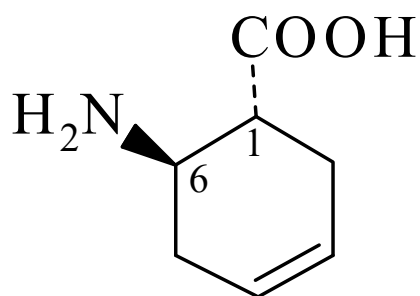




>>Entry Name: 6-Amino-3-cyclohexene-1-carboxylic acid, 9CI

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



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

Molecular Formula: C₇H₁₁NO₂

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: C₇H₁₁NO₂

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. (Me₂CO aq.)

Melting Point: Mp 267-269°

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

Synonym(s): (±)-*cis*-form

CAS Registry Number: 54162-90-2

Molecular Formula: C₇H₁₁NO₂

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. (Me₂CO 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: C₉H₁₅NO₂

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_{0.2} 65-67°

>>Derivative: Et ester; hydrochloride

CAS Registry Number: 57266-61-2

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 85-87°

References:

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

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