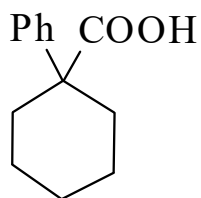




>>Entry Name: 1-Phenylcyclohexanecarboxylic acid, 9CI



CAS Registry Number: 1135-67-7

Molecular Formula: C₁₃H₁₆O₂

Molecular Weight: 204.268

Accurate Mass: 204.11503

Percentage Composition: C 76.44%; H 7.89%; O 15.67%

Melting Point: Mp 123-124°

>>Derivative: Et ester

CAS Registry Number: 29273-21-0

Molecular Formula: C₁₅H₂₀O₂

Molecular Weight: 232.322

Accurate Mass: 232.14633

Percentage Composition: C 77.55%; H 8.68%; O 13.77%

Boiling Point: Bp_{0.1} 105-110°

>>Derivative: Amide

Molecular Formula: C₁₃H₁₇NO

Molecular Weight: 203.283

Accurate Mass: 203.131014

Percentage Composition: C 76.81%; H 8.43%; N 6.89%; O 7.87%

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 95-96°

>>Derivative: Nitrile

Synonym(s): 1-Cyano-1-phenylcyclohexane

CAS Registry Number: 2201-23-2

Molecular Formula: C₁₃H₁₅N

Molecular Weight: 185.268

Accurate Mass: 185.120449

Percentage Composition: C 84.28%; H 8.16%; N 7.56%

Rare Chemicals Library: S44627-0

References:

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Rouzaud, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1965, 2030, (*synth*)

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