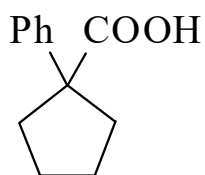




>>Entry Name: 1-Phenylcyclopentanecarboxylic acid, 9CI



CAS Registry Number: 77-55-4

Molecular Formula: C₁₂H₁₄O₂

Molecular Weight: 190.241

Accurate Mass: 190.09938

Percentage Composition: C 75.76%; H 7.42%; O 16.82%

Melting Point: Mp 158-159°

Aldrich: 14020-1

>>Derivative: Et ester

Molecular Formula: C₁₄H₁₈O₂

Molecular Weight: 218.295

Accurate Mass: 218.13068

Percentage Composition: C 77.03%; H 8.31%; O 14.66%

Boiling Point: Bp₉ 121°

>>Derivative: Diethylaminoethyl ester

>>Derivative: Chloride

CAS Registry Number: 17380-62-0

Molecular Formula: C₁₂H₁₃ClO

Molecular Weight: 208.687

Accurate Mass: 208.065492

Percentage Composition: C 69.07%; H 6.28%; Cl 16.99%; O 7.67%

Boiling Point: Bp_{21.5} 149-150° (lit. gives a pressure range)

>>Derivative: Amide

CAS Registry Number: 5296-89-9

Molecular Formula: C₁₂H₁₅NO

Molecular Weight: 189.257

Accurate Mass: 189.115364

Percentage Composition: C 76.16%; H 7.99%; N 7.40%; O 8.45%

Use/Importance: Cryst. (C₆H₆)

Melting Point: Mp 157-158°

Rare Chemicals Library: S94997-3

>>Derivative: Nitrile

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

CAS Registry Number: 77-57-6

Molecular Formula: C₁₂H₁₃N

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

Boiling Point: Bp₆ 125-127°

References:

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