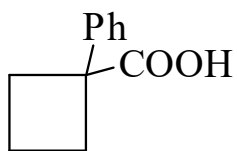




>>Entry Name: 1-Phenylcyclobutanecarboxylic acid



CAS Registry Number: 37828-19-6

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Physical Description: Cryst. (petrol)

Melting Point: Mp 106-107°

>>Derivative: Nitrile

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

CAS Registry Number: 14377-68-5

Molecular Formula: C₁₁H₁₁N

Molecular Weight: 157.215

Accurate Mass: 157.089149

Percentage Composition: C 84.04%; H 7.05%; N 8.91%

Boiling Point: Bp_{0.02} 62-63°

Refractive Index: n_D²⁰ 1.5347

References:

Bonnekessel, J. *et al.*, *Chem. Ber.*, 1972, **106**, 2890

Bernlöhr, W. *et al.*, *Chem. Ber.*, 1984, **117**, 3303, (*synth*)