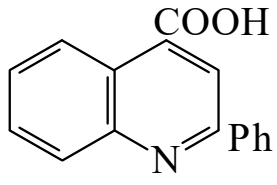
>>**Entry Name: 2-Phenyl-4-quinolinecarboxylic acid,** 9CI
Synonym(s): 2-Phenylcinchoninic acid. **Cinchophen,** BAN, INN. Atophan. Quinophen. Aciphenoquinoline. Cincophen



CAS Registry Number: 132-60-5

Molecular Formula: $C_{16}H_{11}NO_2$
Molecular Weight: 249.268
Accurate Mass: 249.078979
Percentage Composition: C 77.10%; H 4.45%; N 5.62%; O 12.84%
Use/Importance: Analgesic, antiinflammatory agent. Used as 0.01*M* aq. soln. of Na salt for extraction-photometric detn. of Sc and lanthanides
Physical Description: Cryst. (MeOH)
Development Status: No longer in widespread use
Melting Point: Mp 218°
Solubility: Insol. H_2O
Calculated Log P Data: Log P 4.28 (calc)
Hazard & Toxicity: Hepatotoxic effects when used therapeutically. LD_{50} (mus, scu) 350 mg/kg

Aldrich: 19647-9
Rare Chemicals Library: S56391-9

>>**Derivative:** Hydrochloride

Physical Description: Lemon-yellow cryst.
Melting Point: Mp 223°

>>**Derivative:** Hydrobromide

Physical Description: Brownish-yellow cryst.
Melting Point: Mp 255°

>>**Derivative:** Hydroiodide

Physical Description: Orange cryst.
Melting Point: Mp 243°

>>**Derivative:** Methiodide

Physical Description: Red cryst. (EtOH aq.)
Melting Point: Mp 160-165 dec.°

>>**Derivative:** 1-Oxide

CAS Registry Number: 20389-12-2
Molecular Formula: $C_{16}H_{11}NO_3$
Molecular Weight: 265.268
Accurate Mass: 265.073894
Percentage Composition: C 72.45%; H 4.18%; N 5.28%; O 18.09%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 255-256°

>>**Derivative:** Me ester

CAS Registry Number: 4546-48-9
Molecular Formula: $C_{17}H_{13}NO_2$
Molecular Weight: 263.295
Accurate Mass: 263.094629
Percentage Composition: C 77.55%; H 4.98%; N 5.32%; O 12.15%
Melting Point: Mp 61°
Other Data: Bitter taste
Aldrich: 15367-2