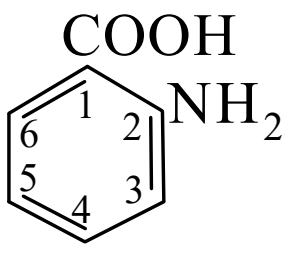
>>**Entry Name: 2-Aminobenzoic acid,** 9CI
ENTRY UNDER REVIEW
Synonym(s): Anthranilic acid, 8CI. Vitamin L_1



CAS Registry Number: 118-92-3
Related CAS Registry Numbers(s): 552-37-4 99196-74-4 99196-75-5 99197-00-9 117808-63-6
Extra CAS Registry Numbers(s): 1321-11-5

Molecular Formula: $C_7H_7NO_2$
Molecular Weight: 137.138
Accurate Mass: 137.047679
Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%
Biological Source: Prod. by bacteria and fungi
Use/Importance: An important intermed. in the synth. of many compds., corrosion inhibitor for metals. Used as 3% aq. soln. of Na salt for gravimetric detn. of Co, Ni, Cu(*II*), Hg(*II*), Mn, Pb, Cd, U(*VI*), Zn
Physical Description: Leaflets
Melting Point: Mp 144-148°
Solubility: Sol. hot H_2O, EtOH, Et_2O
pKa Value: pK_{a1} 1.97; pK_{a2} 4.79 (25°) pK_{a1} 2.17; pK_{a2} 4.85 (25°, 0.1*M* KCl)
UV: [neutral] λ_{max} 218 (ε 20200); 248 (ε 7000); 335 (ε 4700) (MeOH) (Berdy)
Other Data: Sublimes, triboluminescent
Hazard & Toxicity: LD_{50} (mus, orl) 1400 mg/kg. Exp. reprod. effects

Aldrich: A8985-5
Fluka: 10690
Sigma: A1506

>>**Derivative:** Hydrochloride

CAS Registry Number: 2099-63-0
Melting Point: Mp 193-194°

>>**Derivative:** Me ester
Synonym(s): FEMA 2682

CAS Registry Number: 134-20-3

Molecular Formula: $C_8H_9NO_2$
Molecular Weight: 151.165
Accurate Mass: 151.063329
Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%
Biological Source: Found in essential oils, including bergamot, orange peel, lemon peel, jasmine, ylang-ylang and neroli. Also present in concord grape, strawberry, star fruit, wines, cocoa, black tea and rice bran
Use/Importance: Used in perfumery as artificial orange blossom fragrance, also employed extensively in the form of its Schiff's bases (e.g. with Hydroxycitronellal). Flavouring agent
Physical Description: Cryst.
Melting Point: Mp 24-25°
Boiling Point: Bp_{15} 133.5°
pKa Value: pK_a 2.32 (25°, 1% EtOH aq.)
Other Data: Steam-volatile
Hazard & Toxicity: Skin irritant. LD_{50} (rat, orl) 2910 mg/kg. Exp. reprod. effects

Aldrich: 23645-4
Fluka: 10730
Sigma: M3888