



>>Derivative: Amide

Synonym(s): 2-Aminobenzamide. Anthranilamide

CAS Registry Number: 88-68-6

Molecular Formula: $C_7H_8N_2O$

Molecular Weight: 136.153

Accurate Mass: 136.063663

Percentage Composition: C 61.75%; H 5.92%; N 20.57%; O 11.75%

Physical Description: Leaflets

Melting Point: Mp 109-111.5 dec.°

Aldrich: A8980-4

Fluka: 10710

Rare Chemicals Library: S15082-7

Sigma: A9397

>>Derivative: Amide, *N*-hydroxy

Synonym(s): 2-Amino-*N*-hydroxybenzamide, 9CI. *o*-Aminobenzohydroxamic acid. *N*-Anthranilohydroxamic acid

CAS Registry Number: 5623-04-1

Molecular Formula: $C_7H_8N_2O_2$

Molecular Weight: 152.152

Accurate Mass: 152.058578

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Use/Importance: Used as 0.1-1% soln. in 4-methyl-2-pentanone for photometric detn. of V(*V*)

Physical Description: Cryst.

Melting Point: Mp 149°

Solubility: Sol. H₂O, EtOH; spar. sol. Et₂O

>>Derivative: Amide, *N*²-(2*S*-hydroxypropanoyl)

Synonym(s): 2-[(2-Hydroxypropanoyl)amino]benzamide

CAS Registry Number: 18326-27-7

Molecular Formula: $C_{10}H_{12}N_2O_3$

Molecular Weight: 208.216

Accurate Mass: 208.084793

Percentage Composition: C 57.69%; H 5.81%; N 13.45%; O 23.05%

Biological Source: Prod. by *Penicillium chrysogenum*

Physical Description: Oil

Optical Rotation: $[\alpha]_D -26$ (c, 0.0077 in Me₂CO)

>>Derivative: Anilide

Synonym(s): 2-Amino-*N*-phenylbenzamide, 9CI

CAS Registry Number: 4424-17-3

Molecular Formula: $C_{13}H_{12}N_2O$

Molecular Weight: 212.251

Accurate Mass: 212.094963

Percentage Composition: C 73.57%; H 5.70%; N 13.20%; O 7.54%

Physical Description: Needles (C₆H₆)

Melting Point: Mp 131° (126°)

Solubility: Sol. H₂O

Other Data: May have a lower-melting form (Mp 117-118 from C₆H₆)

Rare Chemicals Library: S73495-0