Molecular Formula: C_8H_9NO
Molecular Weight: 135.165
Accurate Mass: 135.068414
Percentage Composition: C 71.09%; H 6.71%; N 10.36%; O 11.84%
Biological Source: Produced by *Actinomyces* spp. Constit. of the leaves of *Allophylus cobbe*
Use/Importance: Plant growth regulator
Physical Description: Plates or leaflets (C_6H_6)
Melting Point: Mp 157-158°

Rare Chemicals Library: S44075-2

>>**Derivative:** Methylamide
Synonym(s): *N*-Methylbenzeneacetamide, 9CI

CAS Registry Number: 6830-82-6
Molecular Formula: $C_9H_{11}NO$
Molecular Weight: 149.192
Accurate Mass: 149.084064
Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%
Physical Description: Cryst. (C_6H_6)
Melting Point: Mp 58°

>>**Derivative:** Dimethylamide
Synonym(s): *N,N*-Dimethylbenzeneacetamide, 9CI

CAS Registry Number: 18925-69-4
Molecular Formula: $C_{10}H_{13}NO$
Molecular Weight: 163.219
Accurate Mass: 163.099714
Percentage Composition: C 73.59%; H 8.03%; N 8.58%; O 9.80%
Physical Description: Cryst.
Melting Point: Mp 43.5° (38-40°)
Boiling Point: Bp_{10} 155°
Rare Chemicals Library: S88910-5

>>**Derivative:** Diethylamide
Synonym(s): *N,N*-Diethylbenzeneacetamide, 9CI

CAS Registry Number: 2431-96-1

Molecular Formula: $C_{12}H_{17}NO$
Molecular Weight: 191.272
Accurate Mass: 191.131014
Percentage Composition: C 75.35%; H 8.96%; N 7.32%; O 8.36%
Biological Source: Found in various plant oils, e.g. garden cress (*Lepidium sativum*)
Melting Point: Mp 86°
Boiling Point: Bp 297°

Aldrich: 38401-1

>>**Derivative:** Anilide
Synonym(s): *N*-Phenylbenzeneacetamide, 9CI. Glycomide

CAS Registry Number: 621-06-7
Molecular Formula: $C_{14}H_{13}NO$
Molecular Weight: 211.263
Accurate Mass: 211.099714
Percentage Composition: C 79.59%; H 6.20%; N 6.63%; O 7.57%
Physical Description: Prisms (EtOH)
Melting Point: Mp 117-118°
Rare Chemicals Library: S52161-2