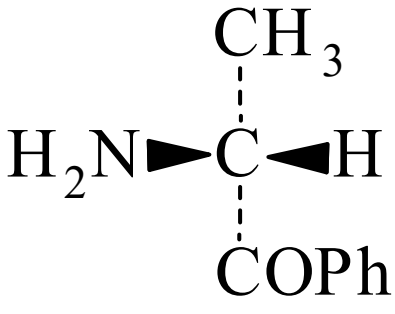
>>**Entry Name: 2-Amino-1-phenyl-1-propanone,** 9CI
Synonym(s): α-Aminopropiophenone. α-Benzoylethylamine. **Cathinone,** INN. Norephedrone



(*R*)-form

CAS Registry Number: 5265-18-9

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%
Biological Use/Importance: Analgesic, anorectic, antinociceptive agent. Possesses psychostimulant props.
Calculated Log P Data: Log P 0.84 (calc)

>>**Variant:** (*R*)-form

CAS Registry Number: 80096-54-4
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%

>>**Derivative:** Hydrochloride

CAS Registry Number: 76333-53-4
Physical Description: Cryst. (2-propanol/THF)
Melting Point: Mp 189-190 dec.° (175-177°)
Optical Rotation: $[\alpha]_D^{23}$+47.3 (c, 1 in H_2O)

>>**Variant:** (*S*)-form

CAS Registry Number: 71031-15-7

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%
Biological Source: Isol. from leaves of *Catha edulis* (Khat) (Celastraceae) which are chewed for narcotic effect
Optical Rotation: $[\alpha]_D^{26}$–26.5 (c, 0.24 in CH_2Cl_2)
Other Data: Pharmacol. active enantiomer. Unstable except in dilute non-polar non-hydroxylic soln. Cathinone is the true alkaloid but is transformed in unfresh leaves to Ephedrine and Pseudoephedrine
Sigma: C6323

>>**Derivative:** Hydrochloride

CAS Registry Number: 72739-14-1
Physical Description: Cryst. (2-propanol/Et_2O)
Melting Point: Mp 188-190° (176-178°)
Optical Rotation: $[\alpha]_D^{21}$–46.9 (c, 1 in H_2O)

>>**Derivative:** Oxalate salt

CAS Registry Number: 81626-17-7
Physical Description: Fine cryst. (EtOH)
Melting Point: Mp 173-175°
Optical Rotation: $[\alpha]_D^{25}$–40.5 (c, 0.3 in MeOH)