Phenylaceton
Item No. 16103

CAS Registry No.: 103-79-7
Formal Name: 1-phenyl-2-Propanone
Synonyms: Benzyl Methyl Ketone, P2P, Phenyl-2-propanone
MF: C9H10O
FW: 134.2
Purity: >98%
Stability: ≥1 year at -20°C
Supplied as: A solution in methyl acetate

Laboratory Procedures

For long term storage, we suggest that phenylaceton be stored as supplied at -20°C. It should be stable for at least 1 year. Phenylaceton is supplied as a solution in methyl acetate. To change the solvent, simply evaporate the methyl acetate under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as methanol, ethanol, and DMSO purged with an inert gas can be used. The solubility of phenylaceton in these solvents is approximately 50 mg/ml in methanol and approximately 30 mg/ml in ethanol and DMSO.

Phenylaceton is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Phenylaceton is the deamination product of amphetamine metabolism and has been used as a precursor in the illicit synthesis of methamphetamine and amphetamine.1,2 Phenylaceton is classified as a schedule II controlled substance in the United States. This product is intended for forensic and research applications.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/16103