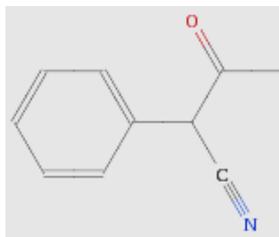


2-Phenylacetonitrile is white crystals. It is used as intermediates for the drug amphetamine.

Phenylacetonitrile has chemical formula $C_6H_5CH(COCH_3)CN$. IUPAC name of phenylacetonitrile is 3-oxo-2-phenylbutanenitrile. Structural formula is shown below:



Basic physical properties:

Molecular weight	159.185 g/ mol
phase	Solid (at STP)
Melting point	93 °C
Boiling point	296°C

Potential Health Effects

- Eye: May cause eye irritation.
- Skin: May cause skin irritation.
- Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.
- Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

References:

- 1) http://www.chemicalbook.com/ChemicalProductProperty_EN_CB7410301.htm
- 2) <http://pubchem.ncbi.nlm.nih.gov/summary/summary.cgi?cid=20547>
- 3) <https://fscimage.fishersci.com/msds/40353.htm>
- 4) <http://www.chemspider.com/Chemical-Structure.610601.html>