



PRODUCT CODE- PHYAT155ZZQ

 Taj Pharmaceuticals Ltd.
PHENYLACETIC ACID 
CAS No. 103-82-2

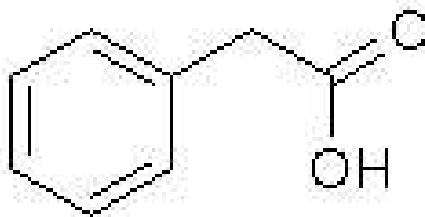
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Phenylacetic acid

CAS number [103-82-2]

IUPAC name

Phenylacetic acid



MOL WT. 136.15

H.S. CODE : 2916.33

Appearance : white crystalline powder

Assay : 99.00 to 100.00 %

Heavy metals : <10.00 ppm

Food Chemicals Codex Listed : Yes

Melting point : 76.00 to 78.00 °C. @ 760.00 mm Hg

Boiling point : 265.00 to 266.00 °C. @ 760.00 mm Hg

Boiling point : 142.00 to 143.00 °C. @ 10.00 mm Hg

Congealing point : 75.80 °C.

Vapor pressure : 1.00000 mm/Hg @ 97.00 °C.

Vapor density : 4.0 (Air = 1)

Flash point : 212.00 °F. TCC (100.00 °C.)

logP (o/w) : 1.41

shelf life : 24.00 month (s) or longer if stored properly.

storage : store in cool, dry place in tightly sealed containers, protected from heat and light.

Identifiers

SMILES c1ccccc1CC(=O)O

TRANSPORTATION PACKING 25kgs in bag

HAZARD CLASS UN NO.

Properties

Molecular formula C₈H₈O₂

Molar mass 136.15 g/mol

Density 1.0809 g/cm³

Melting point 76-77 °C

Boiling point 265.5 °C



Hazards

MSDS External MSDS

Phenylacetic acid (abr. PAA and synonyms are: a-toluic acid, benzeneacetic acid, alpha tolylic acid, 2-phenylacetic acid) is an organic compound containing a phenyl functional group and an acetic acid functional group.

Because it is used in the illicit production of phenylacetone (used in the manufacture of meth/amphetamines), it is subject to controls in the United States.

Physical data

Appearance: white crystals with a honey-like odour

Melting point: 77 C

Boiling point: 265 C

Vapour density:

Vapour pressure: 1 mm Hg at 97 C

Density (g/cm³): 1.228

Flash point: 190

Explosion limits:

Autoignition temperature:

Phenylacetic acid = 99%

Stability

Stable. Incompatible with strong oxidizing agents.

Toxicology

Harmful by ingestion, inhalation or through skin contact. Severe eye irritant. Skin and respiratory irritant. May act as a teratogen. Oral rat LD₅₀ 2250 mg/Kg

Toxicity data

(The meaning of any abbreviations which appear in this section is given here.)

ORL-RAT LD₅₀ 2250 mg kg⁻¹

ORL-GPG LD₅₀ 2250 mg kg⁻¹

IPN-RAT LD₅₀ 1600 mg kg⁻¹

Risk phrases

(The meaning of any risk phrases which appear in this section is given here.)

R20 R21 R22 R36 R37 R38.

Personal protection

Safety glasses. Adequate ventilation.

NFPA RATINGS Health: 1 Flammability: 1 Reactivity: 0 FLASH POINT 190 C



STABILITY Stable under ordinary conditions

GENERAL DESCRIPTION & APPLICATIONS

most important hazard(s) : Xi - Irritant R 36/37/38 - Irritating to eyes, respiratory system, and skin.

S 02 - Keep out of the reach of children.

S 24/25 - Avoid contact with skin and eyes.

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 - Wear suitable gloves and eye/face protection.

Human experience : 2 % solution: no irritation or sensitization.

Oral Toxicity(LD50) :

Oral-Rat >5000.00 mg/kg
(Keating, 1972c)

Inhalation Toxicity(LC50) :
Not determined

GHS classification

Signal: Warning

Causes mild skin irritation

Causes eye irritation

Harmful to aquatic life

***** The substance is harmful to aquatic organisms.

Quality Standard: Enterprises standard

Use: As chemical intermediates

Storage: avoid heat and moisture

Packing: 25kgs/bag or 25kgs/drum

Delivery: 1-2 Weeks.

This document plus the full buyer / prescribing information, prepared for health professionals can be found at:

<http://www.tajapi.com>

or by contacting the sponsor, Taj Pharmaceuticals Limited., at:

91 022 30601000.

This leaflet was prepared by
Taj Pharmaceuticals Limited,
Mumbai (India).

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