

Anthranilic acid (CAS Number: 118-92-3)

TAJNW-ACTWAMT689

Taj Active Pharmaceuticals Ingredients (**Control Substance**)

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Active Pharmaceutical Ingredients
TAJ PHARMACEUTICALS LIMITED INDIA



Raw Material / Chemicals Index

ANTHRANILIC ACID

CAS Number 118-92-3

EINECS NO. 204-287-5
FORMULA (H₂N)C₆H₄COOH
MOL WT. 137.14
H.S. CODE 2936.29
TOXICITY Oral rat LD50: 5410 mg/kg
SYNONYMS o-Anthranilic acid; Carboxyaniline;
1-Amino-2-carboxybenzene; Vitamin L; Kyselina O-aminobenzoova (Czech); Kyselina Anthranilova (Czech); 2-aminobenzoic Acid; 2-carboxyaniline; o-Aminobenzoic Acid; Vitamin L; Vitamin L1

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE White to pale yellow crystalline powder
MELTING POINT : 146 - 148 C
BOILING POINT Sublimes
SPECIFIC GRAVITY 1.412
SOLUBILITY IN WATER Freely soluble
AUTOIGNITION
pH
VAPOR DENSITY 4.7
NFPA RATINGS Health: **1** Flammability: **1** Reactivity: **0**

STABILITY Stable under ordinary conditions. Oxidizes in light

APPLICATIONS

Anthranilic acid is the organic compound with the formula C₆H₄(NH₂)COOH. This amino acid is white solid when pure, although commercial samples may appear yellow. The molecule consists of a benzene ring with two adjacent functional groups, a carboxylic acid and an amine. It is sometimes referred to as vitamin L.

Biological role

Anthranilic acid is biosynthesized from chorismic acid. It is the precursor to the amino acid tryptophan via the attachment of phosphoribosyl pyrophosphate to the amine group.

Uses

Anthranilic acid is used as an intermediate for production of dyes, pigments, and saccharin. It and its esters are used in **preparing perfumes to imitate jasmine and orange, pharmaceuticals (loop diuretics eg. furosemide) and UV-absorber** as well as corrosion inhibitors for metals and mold inhibitors in soya sauce.

Anthranilic acid can be used in organic synthesis to generate the benzyne intermediate.

It is also a DEA List I Chemical because of its use in making the uncommon but highly euphoric sedative drug methaqualone.

PRODUCT DESIGNATION

ANTHRANILIC ACID

C.A.S. REGISTRY NO. 118-92-3

FORMULA C₇H₇NO₂

MOLECULAR WEIGHT 137 g/mol

APPEARANCE OFF WHITE TO PALE YELLOW POWDER

MELTING POINT **146° C MIN**

ASSAY (NITRITE VALUE) 99.0 % MIN

MOISTURE 0.5% MAX

ASH CONTENT 0.5% MAX

***** SHELF LIFE UNLIMITED IN UNOPENED CONTAINERS**

SOLUBILITY

ACETONE AND ESTERS

READILY SOLUBLE IN ETHANOL

SUGGESTED APPLICATION

INTERMEDIATE FOR THE CHEMICAL INDUSTRY,

eg. FOR THE MANUFACTURE OF DYES, PHARMACEUTICALS AND PERFUMERY SYNTHETICS

SALES SPECIFICATION

APPEARANCE: **White to pale yellow crystalline powder**

PURITY (G.C) :99.0% min

ASH: 0.2% max

MOISTURE: 0.5% max

MELTING POINT

146 ± 1.5 C

TRANSPORTATION

PACKING 25kgs in Bag

HAZARD CLASS Not regulated

Anthranilic acid

, >95%

1KG

Anthranilic acid
, >= 97%
on request

Anthranilic Acid

, >99.0%(T)
Sample Packing: 25g, 500g

Packing. : 25/50kgs HDPE bags with double PE liners inside or as per buyer.

Origin: INDIA

We have experience in Exporting and Manufacturing of all Countries and Overseas medicines in quick reliable manner and we are very interested to start collaboration with your company or organisation!



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NRX – PRODUCT

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