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-aminobenzaova (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.AS. 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

*** SHELFLIFE 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

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!