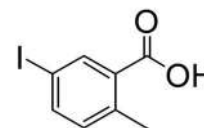




TECHNICAL DATA SHEET

Product name: 5-iodo-2-methylbenzoic acid



Specifications

| Parameters | Specifications | Typical results |
|---------------|---------------------------------------|--------------------------------------|
| Appearance | white to off-white crystalline powder | White Powder |
| Water content | NMT 0.5 % | 0.32% |
| Assay Purity | NLT 99% | 99.24%. |
| Melting Point | 176 ⁰ -180 ⁰ C | 176 ⁰ -180 ⁰ C |

Stability and storage:

5-Iodo-2-methylbenzoic acid is generally stable under normal conditions and should be stored in a cool, dry, and well-ventilated area, away from heat and incompatible substances.

It should be kept in a tightly closed container to prevent moisture absorption and potential degradation.

Ensure adequate ventilation when handling the compound.

Application Area:

5-Iodo-2-methylbenzoic acid has various applications in medical, industrial, and research fields due to its chemical structure and properties. It is used as a pharmaceutical intermediate, in the synthesis of other chemicals, and as an antiseptic/disinfectant.

Additionally, it's used in the production of polarizing films for LCDs and as an organic building block.

It serves as a key intermediate in the synthesis of various drugs, including antihistamines and anti-inflammatory agents.

The compound's ability to participate in electrophilic aromatic substitution reactions allows for the introduction of diverse functional groups.

General information

CAS No. : 54811-38-0
 IUPAC Name : 5-Iodo-2-methylbenzoic acid.
 Synonyms : 5-Iodo-o-toluic acid, 2-Methyl-5-Iodobenzoic acid

Physical/Chemical properties:

Molecular Formula : C₈H₇IO₂
 Molecular weight : 262.04
 Melting point : 176⁰ -180⁰ C
 Solubility : Slightly soluble in water
 Physical state at 20°C : Solid

Hazard classification & labelling:

Single Word : Warning

Pictogram :



Classification according to Regulation (EC) No 1272/2008 : H315, H319

Precautionary statement(s) : P264, P280, P302 + P352, P305 + P351 + P338, P332 + P313
 P337 + P313