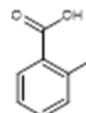




TECHNICAL DATA SHEET

Product name: 2-Iodobenzoic Acid



Specifications

Parameters	Specifications	Typical results
Appearance	White to off white powder	White powder
Identification By HPLC	The retention time of the principal peak obtained with the substance to be examined corresponds to that of reference standard	Complies
Solubility (10% in Methanol)	Clear solution	Complies
Moisture Content by K. F	NMT 0.5%	0.35%
Melting Range	159°C - 164°C	162 °C
Assay by Titrimetry	NLT: 98.0-102%	98.92%
Purity by HPLC	NLT98.0%	99.50%

Stability and storage:

Store in a cool, dry place. Keep container closed when not in use.

preferably in a dark container, and kept tightly closed to prevent degradation or contamination. It's generally considered stable under normal conditions.

Application Areas

Applications:

2-Iodobenzoic Acid used as a precursor for the synthesis of 2-iodoxybenzoic acid (IBX) and Dess-Martin periodinane, which are mild oxidants.

Beyond its role as a precursor, 2-iodobenzoic acid is also utilized in various other synthetic applications, including the Suzuki reaction and as a reactant in the synthesis of other compounds.

General information

CAS No.	: 88-67-5
IUPAC Name	: 2-Iodobenzoic acid
Synonyms	: <i>o</i> -Iodobenzoic acid
EC No	: 201-850-7

Physical/Chemical Properties:

Molecular Formula	: C7H5IO2
Molecular Weight	: 248.02
Melting Point	: 170°C
Flash Point	: 144°C
Physical state at 20°C	: Solid

Hazard classification & labelling

Single Word : Danger

Pictogram :



Classification according to Regulation (EC) No 1272/2008: : H302, H315, H318, H335

Precautionary statement(s) : P261, P264, P280, P301 + P312, P302 + P352, P305 + P351 + P338