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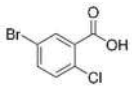
TECHNICAL DATA SHEET

Product name: **5-Bromo-2-Chloro Benzoic acid**



Specifications		
Parameters	**Specifications**	**Typical results**
Appearance	White to light yellow powder.	A white colour Powder
Identification by IR	IR spectrum of the test sample should match the standard	Complies
Water Content	NMT 0.50%	0.15%
Assay Purity	NLT 98.0%.	99.22%

Stability and storage:

5-Bromo-2-chlorobenzoic acid is a stable compound, particularly when stored properly

5-Bromo-2-chlorobenzoic acid should be stored in a cool, dry, and well-ventilated place, away from moisture and direct sunlight. A refrigerator (2-8°C) is recommended, or room temperature in a cool, dark place (<15°C). It should be kept in a tightly closed container to prevent moisture absorption and potential degradation. .

Application Area:

5-Bromo-2-chlorobenzoic acid is a versatile chemical compound primarily used as an intermediate in the synthesis of various organic compounds, including pharmaceuticals, agrochemicals, and materials. It serves as a building block in the production of drugs like the SGLT-2 inhibitor Dapagliflozin. It also finds applications in material science for developing functional materials like dyes and polymers.

General information

CAS No. : 21739-92-4

IUPAC Name : 5-bromo-2-chlorobenzoic Acid.

Synonyms : 2-Chloro-5-bromobenzene-1-carboxylic acid

Physical/Chemical properties:

Molecular Formula : C7H4BrClO2

Molecular weight : 235.46

Melting point : 154°C-160°C

Solubility : Ethanol, Methanol, Dichloromethane.

Physical state at 20°C : Solid

Hazard classification & labelling:

Single Word : Warning

Pictogram :

Classification according to Regulation (EC) No 1272/2008 : H315, H319, H335

Precautionary statement(s) : P261, P280, P264, P271, P302 + P352
P305 + P351 + P338