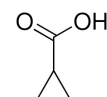




Technical data sheet

Product name: Cyclopropane carboxylic Acid



Specifications

Parameters	Specifications	Typical results
Appearance	Light yellow to colourless liquid	Clear Colourless Liquid
Specific Gravity (25°C)	1.078-1.085	1.080
Purity by GC	NLT : 98.0 %	99.49 %
Related Substances by GC		
Y butyrolactone	NMT 0.5 %	0.46 %
4 chloro butyric acid	NMT 0.5 %	
IPA ester of CPC acid	NMT 0.5 %	0.031%
Single unknown impurities	NMT 0.5%	0.008%

Stability and storage:

Generally, a stable compound when stored properly, with a recommended shelf life of 12-24 months if stored in a cool, dry place

It's recommended to store it in a cool and dark place, ideally below 15°C

General storage is recommended at 2-8°C.

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from Corrosives area. Incompatible Materials. Strong oxidizing agents. Strong bases.

Application Areas

Cyclopropane carboxylic acid derivatives, such as certain esters, are used as pesticides and fungicides.

Cyclopropane carboxylic acid acts as a key intermediate in the synthesis of various drug candidates.

It has been used in the synthesis of PARP-1 inhibitors and PI4KIIIb inhibitors, which are potential drug candidates for cancer and viral infections respectively.

Its derivatives can be incorporated into polymers, coatings, and adhesives.

General information

CAS No. : 1759-53-1
 IUPAC Name : cyclopropane carboxylic acid
 Synonyms : CPC-acid
 EC No : 217-162-5

Physical/Chemical properties

Molecular Formula : C4H6O2
 Molecular Weight : 86.0894
 Physical state at 20°C : Liquid
 Melting Point : 18.5 °C
 Boiling Point : 182-184 °C
 Density : 1.0829 g/cm³

Hazard classification & labelling

Single Word : corrosive
 Pictogram :



Classification according to Regulation (EC) No 1272/2008: :H302, H314

Precautionary statement(s) :P280 - P303 + P361 + P353 - P304 + P340 + P310 - P305 + P351 + P338 - P363 - P405