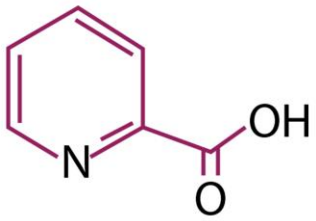
2-PICOLINIC ACID



PRODUCT IN FOCUS

EXSYN®
ESSENTIAL CHEMISTRY

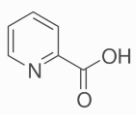
2-Picolinic acid

INTRODUCTION

2-Picolinic acid, an organic compound, is a derivative of pyridine with a carboxylic acid substituent at the 2-position. It is a white solid that is soluble in water.

Manufacture

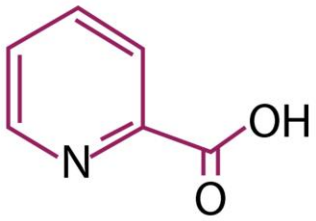
2-Picolinic acid is formed from 2-methylpyridine by oxidation.

Synonym	α-Picolinic acid 2-Carboxypyridine 2-Pyridinecarboxylic acid
CAS no.	98-98-6
EINECS no.	202-719-7
Molecular formula	$C_6H_5NO_2$
Molecular weight	123.11
Structure	

APPLICATIONS

- 2-Picolinic acid is used as a chelate for alkaline earth metals.
- Used to prepare picolinato ligated transition metal complexes.
- In synthetic organic chemistry, used as a substrate in the Mitsunobu reaction and in the Hammick reaction.
- Used as an intermediate in the metabolism of Tryptophan.

2-PICOLINIC ACID



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SPECIFICATIONS

Test	Unit	Specification
Appearance	-	White to off-white powder
Solubility	-	Soluble in wáter and glacial acetic acid, slightly soluble in alcohol
Melting Point	°C	136 – 139
Chloride	ppm	NMT 200
Iron	ppm	NMT 100
Moisture (by KF)	%	NMT 0.5
Sulphated ash	%	NMT 0.10
Heavy metal	ppm	NMT 20
Loss on drying	ppm	NMT 0.5
Assay on dried basis	%	NLT 99.0

PACKING
25 kg HDPE drum.

STORAGE
Store in a dry and well-ventilated place at ambient temperature.

REACH Status
Not registered yet.

No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.