

## PRODUCT IN FOCUS



# Pyridine-3-Carboxaldehyde

### INTRODUCTION

The heterocyclic is a liquid that serves as one of main coupling agents in the peptides and polypeptides production. The molecule is already activated by the presence of the aldehyde group and hence reacts readily in number of reactions.

### APPLICATIONS

This compound finds wide applications across various industry segments.

#### Peptides and Polypeptides

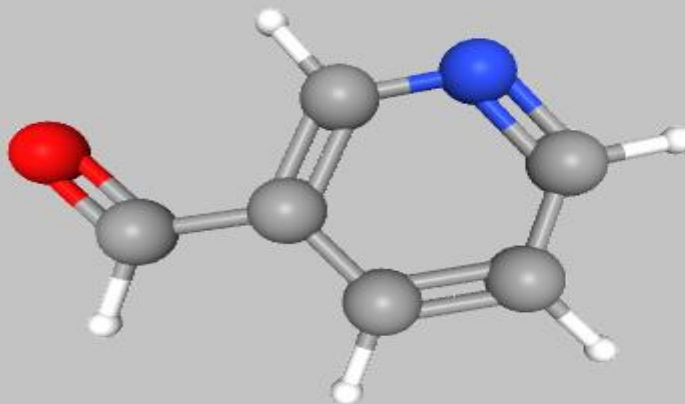
As a KRM for peptides and coupling agent for a broad spectrum of polypeptides manufactured by solid state synthesis. These include Abarelix, Cetroreix and Ganirelix.

#### Pharmaceuticals

Pyridine-3-carboxaldehyde serves as a building block in synthesis of number of APIs such as antiretroviral protease inhibitor used in the battle against HIV, glycoprotein antagonist, etc.

API	Therapeutic Category
Indinavir	Anti-retroviral
Elarofiban	Thrombosis management
Seletalisib	Immunomodulator
Xanomeline Oxalate	CNS
Paroxetine HCl	CNS

Synonyms	Nicotinaldehyde, Pyridine-3-Carbaldehyde
CAS no.	500-22-1
EINECS no.	207-900-4
Molecular formula	C <sub>6</sub> H <sub>5</sub> NO
Structure	
Molecular weight	107.11



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### Agrochemicals

The compound is also a KRM in manufacture of:

- Y Pymetrozine, an insecticide and a xenobiotic
- Y Pyrifenox, a fungicide

### Intermediates

A series of value-added intermediates can also be synthesized by using nicotinaldehyde. These include:

- Y Pyridin-3-yl-methylhydrazine
- Y 3-(Pyridin-3-yl)propanal
- Y (S)-N- Boc -(3pyridyl)alanine

### SPECIFICATIONS

Test	Unit	Specification
Appearance	-	Pale yellow to brown liquid
Identification By GC	-	The retention time of the major peak of sample corresponds to that of standard
Purity By GC	%	NLT 98.0

### STORAGE

The product is stored at ambient temperature.

ExSyn offers this compound on commercial scale and welcomes enquiries. 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 get in touch with us.