

# 4-DIMETHYL AMINOPYRIDINE



CAS Number: 1122-58-3

Other Names: 4-Dimethylaminopyridine, N,N-Dimethylpyridin-4-amine, dmap, 4-(Dimethylamino)pyridine, N-(4-Pyridyl)dimethylamine, 4-DMAP.

Formula:  $C_7H_{10}N_2$

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## PRODUCT INTRODUCTION

4-Dimethylaminopyridine (DMAP) is a derivative of pyridine with the chemical formula  $(CH_3)_2NC_5H_4N$ . This colourless solid is of interest because it is more basic than pyridine, owing to the resonance stabilization from the  $NMe_2$  substituent.

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## PHYSICAL AND CHEMICAL PROPERTIES

|                 |        |
|-----------------|--------|
| Content         | 99.3 % |
| Water           | 0.08 % |
| Water Insoluble | 0.01 % |

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## APPLICATIONS

- Modifier used for chemical, when chemical is used in a laboratory.
- Drug product, or related to the manufacturing of drugs; modified by veterinary, animal, or pet if indicated by source.
- Agricultural chemicals used on a variety of crops.
- Fertilizer for consumer or industrial use, and manufacturing of fertilizers.
- Substances used for preventing, destroying or mitigating pests.
- Raw materials used in a variety of products and industries (e.g. in cosmetics, chemical manufacturing, production of metals, etc.); modifiers included when known to indicate what the raw materials are used for.
- Accelerators, activators, oxidation agents, reducing agents, etc.

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## PACKAGING OPTIONS

Drums

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