

Potassium 4-Nitrophenolate

Basic Details

CAS RN

1124-31-8

SYNONYMS

Potassium 4-nitrophenoxide,
p-Hydroxynitrobenzene
potassium salt.

MOL. FORMULA

$C_6H_4NO_3K$

MOL. WEIGHT

177.20

Introduction

Potassium 4-nitrophenolate, a nitrophenolic compound, is primarily recognized for its role as a plant growth regulator. It is a potassium salt of 4-nitrophenol and is known for its ability to stimulate plant growth and improve overall plant health. This compound can be particularly advantageous in various agricultural practices due to its multifaceted applications.

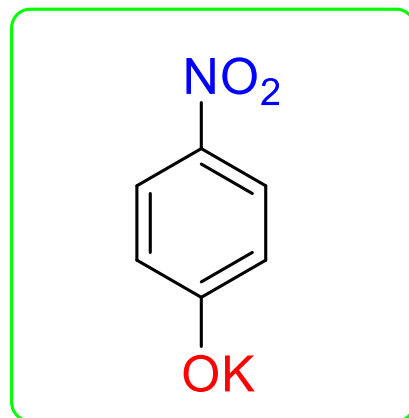
One of the primary uses of potassium 4-nitrophenolate in agriculture is its function as a plant growth promoter. It enhances the growth of roots and shoots, leading to more robust plant development. By promoting cell division and elongation, it helps plants achieve greater biomass, which is crucial for high-yield crops.

Additionally, potassium 4-nitrophenolate is known to improve the plant's ability to withstand abiotic stress conditions such as drought, salinity, and extreme temperatures. This resilience is particularly important in today's climate, where unpredictable weather patterns can significantly impact agricultural productivity.

Manufacture

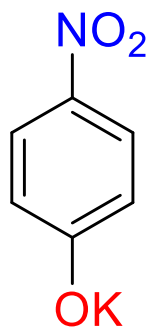
We are a leading manufacturer of Potassium 4-nitrophenolate. We take pride in our state-of-the-art GMP facilities and advanced technology, which enable us to produce high-quality products that meet global standards.

Our commitment to quality is unwavering, and we have implemented rigorous quality control parameters to ensure that each batch of Potassium 4-nitrophenolate is manufactured to the highest standards. This dedication to excellence has allowed us to establish a strong presence in international markets, including Europe, the Czech Republic, the USA, and various Asian countries.



Quality

We understand the importance of reliability and consistency in the chemical industry, and our team is dedicated to providing our clients with products that meet their specific needs. Our advanced manufacturing processes and quality assurance protocols are designed to deliver products that consistently meet or exceed expectations.



PURITY

Minimum 99.5%

MOISTURE CONTENT

Free Moisture

CONTACT

support@uregold.com

Specifications

Test	Specifications
Appearance	Yellow color solid
Solubility	Soluble in methanol, chloroform and DMSO
Identification by MS	Should conform to the structure
Identification by proton NMR	Should conform to the structure
Melting point	347.0-348.0 °C
Purity by HPLC	Min 99.95

Storage

The product is stored at ambient temperature.

Keep container tightly closed in a dry, Inert atmosphere, Room temperature (25 – 30 0C)

Packing

25 kg and 50 KG UN approved drum.

REACH status

Not registered yet.

PRODUCT AVAIABLE FROM OUR OFFICES

BRAZIL

CZECH REPUBLIC

UAE

JAPAN

MALAYSIA

POLAND



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