

# Instructions for Use

## 3-Hydroxypicolinic acid (3-HPA)

**Purified matrix substance for matrix-assisted laser desorption and ionization  
time-of-flight mass spectrometers (MALDI-TOF MS)**

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The CARE product range is specifically optimized and certified for use with all Bruker Daltonics systems.

[www.bruker.com/care](http://www.bruker.com/care)

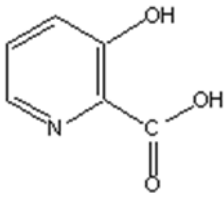
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## 1 Product Description

3-Hydroxypicolinic acid (3-HPA) has proved useful as a MALDI matrix material for the analysis of mixed oligonucleotide samples (DNA/RNA) between 1 and 30 kDa.

For preparation protocols, see the *Instructions for Use: Bruker Guide to MALDI Sample Preparation* (Product Number # 8702557), which is available for download at [www.bruker.com/ifu](http://www.bruker.com/ifu).

Synonyms	3-Hydroxypyridine-2-carboxylic acid
Molecular formula	C <sub>6</sub> H <sub>5</sub> NO <sub>3</sub>
Structural formula	
Molecular weight	139.11 g/mol
CAS number	874-24-8
EC number	212-859-0
Matrix solvents	water, acetonitrile/water (1:1)
Melting point	208–210°C

### Ordering Information

Product	Size	Part No.
3-Hydroxypicolinic acid (3-HPA)	5 x 200 mg	8201224

## 2 Storage and Stability

3-Hydroxypicolinic acid (3-HPA) is shipped at ambient temperature. We recommend storing 3-Hydroxypicolinic acid (3-HPA) on arrival in the dark at 4°C.

### 3 Risk and Safety Information

3-Hydroxypicolinic acid (3-HPA) must be labeled according to Regulation (EC) No 1272/2008. Signal word: WARNING.



3-Hydroxypicolinic acid (3-HPA) is classified as a hazardous chemical:  
WARNING (H: 315, 319, 335; P: 280, 305+351+338, 321, 405, 501)

For more information, please read the Material Safety Data Sheet available for download at [www.bruker.com/msds](http://www.bruker.com/msds).

Additional chemicals may be required for procedures described in these Instructions for Use. Carefully read the Material Safety Data Sheet provided by the supplier and follow general safety regulations when handling chemicals or biohazardous material.

### 4 Manufacturer



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For research use only. Not for use in diagnostic procedures.

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Descriptions and specifications supersede all previous information and are subject to change without notice.

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