

# Instructions for Use

## 2,5-Dihydroxyacetophenone (2,5-DHAP)

**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.

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Language: en

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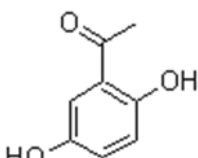
## 1 Product Description

2,5-DHAP is a MALDI matrix used for AnchorChip preparations of proteins with a mass of 8–100 kDa. An AnchorChip preparation with 2,5-DHAP leads to a 5–10 fold increase in sensitivity of the analyte compared to the classical protein preparation (dried droplet preparation of sinapinic acid (SA) on a steel target). 2,5-DHAP prevents ISD fragmentation and is recommended for proteomic profiling studies and for the analysis of glycoproteins.

For preparation protocols, see the *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:** Chinacetophenone, 2-acetyl-hydroquinone, quinacetophenone, 2,5-dihydroxyphenyl-methyl ketone, 1-(2,5-dihydroxyphenyl)ethanone

**Molecular formula:** C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>



**Structural formula:**

**Molecular weight:** 152.2 g/mol

**CAS-No.:** 490-78-8

**EC-No.:** 207-716-4

**Matrix solvents:** Ethanol, aqueous diammonium hydrogen citrate solution

**Melting point:** 203–207°C

### Ordering Information

| Product                              | Size       | Part No.  |
|--------------------------------------|------------|-----------|
| 2,5-Dihydroxyacetophenone (2,5-DHAP) | 5 x 200 mg | # 8231829 |

## 2 Storage and Stability

2,5-DHAP is shipped at ambient temperature. We recommend storing 2,5-DHAP on arrival in the dark at 4°C.

### 3 Risk and Safety Information

This product must be labeled according to Regulation (EC) No 1272/2008. Signal word: WARNING. For more information, read the Material Safety Data Sheet available for download at [www.bruker.com/msds](http://www.bruker.com/msds).



2,5-Dihydroxyacetophenone (2,5-DHAP) is classified as a hazardous chemical: WARNING (H: 315, 319, 335)

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.

# 8231829

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

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