



1869371
8201346

Instructions for Use

2,5-Dihydroxybenzoic acid (2,5-DHB)

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

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Language: en

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1 Product Description

2,5-DHB can be used for MALDI-TOF-MS analysis of a wide variety of peptides, proteins, polymers and carbohydrates. 2,5-DHB is a commonly used matrix for the analysis of phosphopeptides and glycoproteins. It is also suitable for the generation of ISD spectra of intact proteins. 2,5-DHB can also be used for the measurement of lipids and glycolipids.

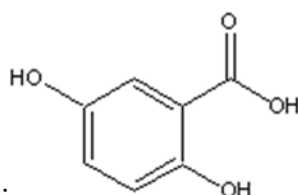
2,5-DHB is suitable for use with Bruker AnchorChip™ and BigAnchor targets. Preparation protocols are available in the relevant target Instructions for Use.

A potential disadvantage of using aqueous preparations of 2,5-DHB is the formation of large, heterogenous crystal needles. The formation of such structures requires searching for "sweet spots" on the sample spot.

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

Synonyms: Gentisic acid

Molecular formula: C₇H₆O₄



Structural formula:

Molecular weight: 154.12 g/mol

CAS-No.: 490-79-9

EC-No.: 207-718-5

Matrix solvents: Water, methanol, ethanol, acetone, acetonitrile, THF

Melting point: 205–208°C

Ordering Information

Product	Size	Part No.
2,5-Dihydroxybenzoic acid (2,5-DHB)	5 x 200 mg	# 8201346
2,5-Dihydroxybenzoic acid (2,5-DHB)	10 x 200 mg	# 1869371

2 Storage and Stability

2,5-DHB is shipped at ambient temperature. We recommend storing 2,5-DHB 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 Safety Data Sheet available for download at www.bruker.com/care.










2,5-Dihydroxybenzoic acid (2,5-DHB) is classified as a hazardous chemical: WARNING (H: 302, 315, 319, 335)

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

4 Symbols

The following symbols are used in the labeling:

	Catalogue number
	Research Use Only
	Manufacturer
	Temperature limit
	Batch code
	Use-by date
	Consult instructions for use

5 Manufacturer



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

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