

Product Datasheet

GE0505 - 3,3''-Diaminobenzidine

Pictograms



Product Details

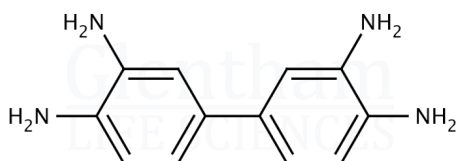
Product Name	3,3''-Diaminobenzidine
Glenthams Code	GE0505
CAS Number	91-95-2
EINECS	202-110-6
MDL Number	MFCDD00007725
Bellstein Registry Number	1212988
PubChem SID	310271266
Related Categories	Biochemicals

Glenthams Product Specification

Physical Description	: Off-white to brown-red crystalline powder
Water	: ≤ 1.0%
Melting Point	: ≥ 170°C
Assay	: ≥ 98.0%
Version	: v1.0

Structure

Molecular Weight	: 214.27
Molecular Formula	: C ₁₂ H ₁₄ N ₄



About 3,3''-Diaminobenzidine

3,3''-Diaminobenzidine, often abbreviated to DAB, is an organic compound primarily used in the immunohistochemical staining of proteins and nucleic acids. When oxidised by a peroxidase enzyme, DAB produces a dark brown colour. This mechanism has been used during research into cancer and Alzheimer's. DAB is also a precursor to polybenzimidazole - a fibre used for its thermal and chemical stability.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as dangerous for transport.	
CLP Classification	Carc. 1B, Muta. 2
Signal Word	Danger
Hazard Codes	H350, H341
Precautionary Codes	P261, P308+P313, P281

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