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Product Information

Microperoxidase (MP-11) sodium salt

Product Number **M6756**
Storage Temperature -0 °C

Product Description

Molecular Formula: $C_{84}H_{116}FeN_{20}O_{21}S_2$
Molecular Weight: 1861.9 (free acid)
CAS Number: 104870-94-2

MP-11 is usually prepared as the disodium salt, which has a formula weight of 1925.

Product No. M 6756 is prepared from cytochrome c from equine heart. It is a heme peptide; the peptide fragment corresponds to amino acids 11-21 of the parent protein. The peptide has the sequence Val-Gln-Lys-Cys-Ala-Gln-Cys-His-Thr-Val-Glu. The heme group is attached to Cys¹⁴ and Cys¹⁷, just as in the parent protein.¹

MP-11 has peroxidase activity, due to the intact heme moiety.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in water (10 mg/ml), yielding a dark, red-brown solution.

References

1. Tu, A. T., et al., Peroxidative Activity of Hemepeptides from Horse Heart Cytochrome c. *Experientia*, **24(3)**, 219-221 (1968).

IRB/RXR 6/07

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