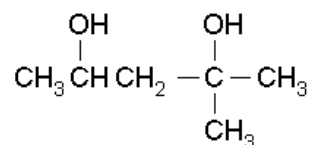


68338 (±)-2-Methyl-2,4-pentanediol (Hexylene glycol, MPD)

CAS number: 107-41-5

Product Description:

Molecular formula: C₆H₁₄O₂
Molecular weight: 118.18 g/mol
Density: 0.922 g/ml
Solubility: 1 M in H₂O, 20°C, complete, colorless
pH: 6-8 (1 M in H₂O, 25°C)



This product is designated as BioUltra grade and is suitable for different applications like purification, precipitation, crystallisation and other applications which require tight control of elemental content.

Applications:

MPD is the most popular additive used in the crystallization of proteins for protein characterization.^{1,2} For further information see also our Crystallization Kits produced for Sigma.

Preparation Instructions:

This product is soluble in water (118.18 mg/ml), yielding a clear, colorless solution.

Storage/Stability:

Keep the container well closed at room temperature because this product is hygroscopic and sensitive against air.

References:

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3. G.L. Gilliland, creatine kinase J. Mol. Biol. 170, 791 (1983)
4. D.W. Banner, Col E1 Rop protein J. Mol. Biol. 170, 1059 (1983)
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7. D.R. Rose, Fab fragment monoclonal anti-digoxin antibody J. Mol. Biol. 165, 203 (1983)
8. Merck13,4730
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10. Fieser1,693

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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