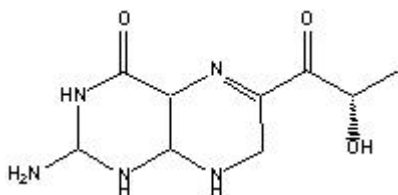


TECHNICAL INFORMATION

Catalog Number: 159813, 195063

L-Sepiapterin

Structure:



Molecular Formula: C₉H₁₁N₅O₃ · 2H₂O

Formula Weight: 237.2

CAS # 17094-01-8

Recommended Storage: -20°C. The product is sensitive to air and light. It reacts with oxygen, especially in solution

Physical Appearance: Yellow to orange powder

Description: Sepiapterin is converted intracellularly into tetrahydrobiopterin, which causes stimulation of NO production¹. It is also an important intermediate in the pterin salvage pathway, tetrahydropterin biosynthesis².

Solubility: Slightly soluble in water (1.7 mg/ml water at 22°C). Product should only be dissolved in neutral or slightly acidic solutions made with oxygen free water. Solutions should be aliquoted and stored at -20°C immediately.

References:

- Gross, S.S. and Levi, R.J., *J. Biol. Chem.*, v. **267**, 25722 (1992).
- Nichol, C., et. al., *Annu. Rev. Biochem.*, v. **54**, 729 (1985).