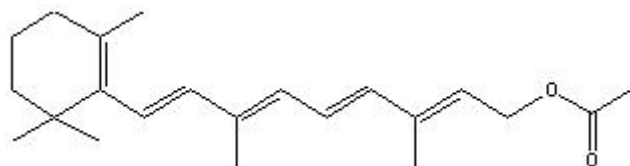


TECHNICAL INFORMATION

Catalog Number: 103257

Vitamin A Acetate

Structure:

**Molecular Formula:** C₂₂H₃₂O₂**Molecular Weight:** 328.5**CAS #:** 127-47-9**Synonyms:** Retinyl acetate; Retinol acetate; all-trans-3,7-Dimethyl-9- (2,6,6-trimethyl-1- cyclohexen-1-yl)-2,4,6,8-nonatetraene-1-yl acetate**Activity/Concentration:** Approximately 500,000 IU/gm**Physical Description:** A light yellow, granular powder. The individual particles contain vitamin A acetate (approximately 21%) finely dispersed in a starch-coated matrix of gelatin (approximately 60%), sucrose (approximately 14%) and corn starch (approximately 5%). BHT and BHA are added as antioxidants.**Particle size:** 100% through sieve No. 2; minimum 90% through sieve No. 40; Maximum 15% through sieve No. 100**Note:** Vitamin A Acetate is sensitive to air, heat, light and humidity.**Solubility:** Most likely soluble in alcohols (e.i. absolute ethanol or methanol) and oils and other fats; Dispersible in aqueous solutions.**Reference:**

– Merck Index, 12th Ed., No. 10150.