

- **BREAST FEEDING** Manufacturer advises use only if potential benefit outweighs risk—no information available.
- **HEPATIC IMPAIRMENT** Manufacturer advises caution.
- **RENAL IMPAIRMENT** Manufacturer advises caution. Risk of renal toxicity due to polyethylene glycol content. **Monitoring** Manufacturer advises monitor closely in renal impairment.
- **PRESCRIBING AND DISPENSING INFORMATION** Tocofersolan is a water-soluble form of D-alpha tocopherol.
- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.
 - Oral solution**
 - ▶ **Vedrop** (Recordati Rare Diseases UK Ltd) ▼
D-alpha tocopherol (as Tocofersolan) 50 mg per 1 ml Vedrop 50mg/ml oral solution sugar-free | 20 ml [PoM] £54.55 DT = £54.55 sugar-free | 60 ml [PoM] £163.65
- **BREAST FEEDING** Excreted in milk; minimal risk, although caution with large doses.
- **MONITORING REQUIREMENTS** Increased bleeding tendency in vitamin-K deficient patients or those taking anticoagulants (prothrombin time and INR should be monitored).
- **DIRECTIONS FOR ADMINISTRATION** Consider dilution of oral suspension for use in neonates due to high osmolality.
- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: chewable tablet, solution for injection
 - Solution for injection**
 - ▶ **Alpha tocopheryl acetate (Non-proprietary)**
Alpha tocopheryl acetate 50 mg per 1 ml E-Vicotrat 100mg/2ml solution for injection ampoules | 10 ampoule [PoM] [S]

Alpha tocopheryl acetate (Tocopherol)

● INDICATIONS AND DOSE

Vitamin E deficiency

▶ BY MOUTH

▶ Neonate: 10 mg/kg once daily.

▶ Child: 2–10 mg/kg daily, increased if necessary up to 20 mg/kg daily

Malabsorption in cystic fibrosis

▶ BY MOUTH

▶ Child 1-11 months: 50 mg once daily, dose to be adjusted as necessary, to be taken with food and pancreatic enzymes

▶ Child 1-11 years: 100 mg once daily, dose to be adjusted as necessary, to be taken with food and pancreatic enzymes

▶ Child 12-17 years: 100–200 mg once daily, dose to be adjusted as necessary, to be taken with food and pancreatic enzymes

Vitamin E deficiency in cholestasis and severe liver disease

▶ BY MOUTH

▶ Neonate: 10 mg/kg daily.

▶ Child 1 month-11 years: Initially 100 mg daily, adjusted according to response, increased if necessary up to 200 mg/kg daily

▶ Child 12-17 years: Initially 200 mg daily, adjusted according to response, increased if necessary up to 200 mg/kg daily

▶ BY INTRAMUSCULAR INJECTION

▶ Neonate: 10 mg/kg once a month.

▶ Child: 10 mg/kg once a month (max. per dose 100 mg)

Malabsorption in abetalipoproteinaemia

▶ BY MOUTH

▶ Neonate: 100 mg/kg once daily.

▶ Child: 50–100 mg/kg once daily

- **CAUTIONS** Increased risk of necrotising enterocolitis in neonate weighing less than 1.5 kg or in a preterm neonate (in neonates) · predisposition to thrombosis
- **INTERACTIONS** → Appendix 1: vitamin E substances
- **SIDE-EFFECTS** Abdominal pain (more common at high doses) · bleeding tendency · diarrhoea (more common at high doses) · increased risk of thrombosis
- **PREGNANCY** No evidence of safety of high doses.

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: chewable tablet, solution for injection
 - Solution for injection**
 - ▶ **Alpha tocopheryl acetate (Non-proprietary)**
Alpha tocopheryl acetate 50 mg per 1 ml E-Vicotrat 100mg/2ml solution for injection ampoules | 10 ampoule [PoM] [S]

Oral suspension

EXCIPIENTS: May contain Sucrose

▶ Alpha tocopheryl acetate (Non-proprietary)

Alpha tocopheryl acetate 100 mg per 1 ml AlphaToc-E 500mg/5ml oral suspension sugar-free | 100 ml £47.19
Alpha tocopheryl acetate 500mg/5ml oral suspension | 100 ml [GSL] £69.67 DT = £67.21

Chewable tablet

▶ **E-Tabs** (Ennogen Healthcare Ltd)

Alpha tocopheryl acetate 100 mg E-Tabs 100mg chewable tablets | 30 tablet £87.30

▶ **Ephynal** (Imported (Italy))

Alpha tocopheryl acetate 100 mg Ephynal 100mg chewable tablets | 30 tablet [S]

Capsule

▶ **Alpha tocopheryl acetate (Non-proprietary)**

Alpha tocopherol 75 unit Vitamin E 75unit capsules | 100 capsule £13.05

Alpha tocopherol 200 unit Vitamin E 200unit capsules | 30 capsule £10.05

Bio-E-Vitamin 200unit capsules | 150 capsule £9.40

Alpha tocopherol 400 unit Vitamin E 400unit capsules | 30 capsule £15.12

▶ **E-Caps** (Ennogen Healthcare Ltd)

Alpha tocopherol 75 unit E-Caps 75unit capsules | 100 capsule £109.50

Alpha tocopherol 100 unit E-Caps 100unit capsules | 30 capsule £84.40

Alpha tocopherol 200 unit E-Caps 200unit capsules | 30 capsule £89.50

Alpha tocopherol 400 unit E-Caps 400unit capsules | 30 capsule £128.50

Alpha tocopherol 1000 unit E-Caps 1,000unit capsules | 30 capsule £130.20

▶ **Nutra-E** (TriOn Pharma Ltd)

Alpha tocopherol 75 unit Nutra-E 75unit capsules | 100 capsule £5.86

Alpha tocopherol 200 unit Nutra-E 200unit capsules | 100 capsule £12.88

Alpha tocopherol 400 unit Nutra-E 400unit capsules | 100 capsule £19.82

▶ **Vita-E** (Typharm Ltd)

Alpha tocopherol 75 unit Vita-E 75unit capsules | 100 capsule £6.99

Alpha tocopherol 200 unit Vita-E 200unit capsules | 30 capsule £5.35 | 100 capsule £14.99

Alpha tocopherol 400 unit Vita-E 400unit capsules | 30 capsule £7.99 | 100 capsule £21.85

VITAMINS AND TRACE ELEMENTS > VITAMIN K

Menadiol sodium phosphate

● INDICATIONS AND DOSE

Supplementation in vitamin K malabsorption

▶ BY MOUTH

▶ Child 1-11 years: 5–10 mg daily, dose to be adjusted as necessary

▶ Child 12-17 years: 10–20 mg daily, dose to be adjusted as necessary