

Tocofersolan

Chemical Properties

CAS No. :	9002-96-4
Formula:	(C ₂ H ₄ O) _n C ₃₃ H ₅₄ O ₅
Molecular Weight:	
Storage:	Store at low temperature,Keep away from direct sunlight,Keep away from moisture Pure form: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Tocofersolan (TPGS) is a polyethylene glycol derivative of α -tocopherol and synthetic water-soluble version of Tocopherol. Tocofersolan is an oral treatment of vitamin E deficiency due to digestive malabsorption in pediatric patients with congenital chronic cholestasis or hereditary chronic cholestasis.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 31.25 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL,Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Reference

Thébaud, A, Nemeth A , Le Mouhaër, J, et al. Oral Tocofersolan Corrects or Prevents Vitamin E Deficiency in Children With Chronic Cholestasis[J]. Journal of Pediatric Gastroenterology & Nutrition, 2016, 63(6):1.

Roongpraiwan R , Suthutvoravut U , Feungpean B , et al. Effect of oral vitamin E supplementation in children with cholestasis.[J]. Journal of the Medical Association of Thailand = Chotmai het thangphaet, 2002, 85 Suppl 4:S1199.

Rehim WM, et al. Antioxidant capacity in Fasciola hepatica patients before and after treatment with triclabendazole alone or in combination with ascorbic acid (vitamin C) and tocofersolan (vitamin E). Arzneimittelforschung. 2003;53(3):214-20.

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