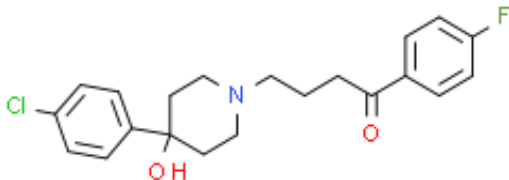


## Product Data Sheet

Cas No.:	61788-85-0	Cat. No:	PL14074
Product Name:	Ethoxylated hydrogenated castor oil		
Product synonym:	氢化蓖麻油;聚氧乙烯氢化蓖麻油;乳化剂HEL;PEG-10 氢化蓖麻油;PEG-100 氢化蓖麻油;PEG-20 氢化蓖麻油;PEG-40 氢化蓖麻油;PEG-45 氢化蓖麻油;PEG-50 氢化蓖麻油;PEG-60 氢化蓖麻油;PEG-7 氢化蓖麻油;POE(25)氢化蓖麻油;高效增溶剂 Gelfest CO40;聚氧乙烯(10)氢化蓖麻油;聚氧乙烯氢化蓖麻油 Cremophor 乳化剂HEL;聚氧乙烯氢化蓖麻油 乳化剂HEL-20 Cremophor;聚氧乙烯氢化蓖麻油 乳化剂HEL-40 Cremophor;聚氧乙烯氢化蓖麻油40;氢化蓖麻油聚氧乙烯醚;土耳其红油 磺化蓖麻油纺织印染太古油磺化油;氢化蓖麻油聚氧乙烯醚,Cremophor RH40;聚氧乙烯氢化蓖麻油RH40		
Chemical name:	Ethoxylated hydrogenated castor oil		
MF:	C21H23CLFNO2	FW:	375.864228487015
Purity:	-	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	C(CN1CCC(O)(C2C=CC(Cl)=CC=2)CC1)CC(=O)C1C=CC(F)=CC=1		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

## Product Description

Ethoxylated hydrogenated castor oil (PEG-40 hydrogenated castor oil) 是聚乙二醇 (PEG) 与天然蓖麻油的混合物。Ethoxylated hydrogenated castor oil 可用于水包油 (o/w) 乳浊液的乳化和增溶。Ethoxylated hydrogenated castor oil 可以作为动物实验的助溶剂。

### 生物活性

Ethoxylated hydrogenated castor oil (PEG-40 hydrogenated castor oil) is a combination of synthetic polyethylene glycol (PEG) with natural castor oil. Ethoxylated hydrogenated castor oil can be used to emulsify and solubilize oil-in-water (o/w) emulsions. Ethoxylated hydrogenated castor oil can be used as a cosolvent in vivo.

体内研究(In Vivo)	<p>20% PEG-40 hydrogenated castor oil (10 µl) is applied to the left ear of the mouse, and the right ear served as a control. The mice are observed for development of erythema for 6 days, no signs of irritation are observed in the mice.</p> <p>PEG-40 hydrogenated castor oil (injection via the tail vein; 300, 900, and 2700 mg/kg; 4 weeks) is administered for short-term toxicity. At doses of 300 and 900 mg/kg PEG-40 Hydrogenated Castor Oil exhibits no systemic toxicity. However, at a dose of 2700 mg/kg, slight ataxia is observed and body weight is reduced significantly in the males and slightly in the females.</p> <p>A toxicity study of blank nanoemulsion using PEG-40 hydrogenated castor oil as a surfactant is applied in order to load various active compounds for oral administration.</p> <p>Nearly 20% of PEG-40 hydrogenated castor oil was used to emulsify the glyceryl monooleate (GMO) as an oil</p>
包装储存	4°C, protect from light
溶解度数据	In Vitro: H <sub>2</sub> O : ≥ 100 mg/mL