[ **Product Information** ]

**Name:** Docetaxel  
**Catalog No.:** CFN98517  
**Cas No.:** 114977-28-5  
**Purity:** >=98%  
**M.F:** C_{43}H_{53}NO_{14}  
**M.W:** 807.88

**Physical Description:** Powder

**Synonyms:**  
N-Debenzoyl-N-tert-butoxycarbonyl-10-deacetyl taxol;  
(2alpha,5beta,7beta,10beta,13alpha)-4-(acetyloxy)-13-((3S)-3-((tert-butoxycarbonyl)amino)-2-hydroxy-3-phenylpropanoyloxy)-1,7,10-trihydroxy-9-oxo-5,20-epoxytax-11-en-2-yl benzoate; (1beta,2alpha,5beta,7beta,10beta,13alpha)-4-(acetyloxy)-13-((2R,3S)-3-((tert-butoxycarbonyl)amino)-2-hydroxy-3-phenylpropanoyloxy)-1,7,10-trihydroxy-9-oxo-5,20-epoxytax-11-en-2-yl benzoate; Decetaxel anhydrous.

[ **Intended Use** ]

1. Reference standards;  
2. Pharmacological research;  
3. Synthetic precursor compounds;  
4. Intermediates & Fine Chemicals;  
5. Others.
[Source]
The barks of *Taxus chinensis* (Pilger) Rehd.

[Biological Activity or Inhibitors]
The improvement in median survival of nearly two months with docetaxel and estramustine, as compared with mitoxantrone and prednisone, provides support for this approach in men with metastatic, androgen-independent prostate cancer.[1]

[Solvent]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method][2]
Mobile phase: Acetonitrile- H2O, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 230 nm.

[Storage]
2-8℃, Protected from air and light, refrigerate or freeze.

[References]

[Contact]
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