

## Certificate Of Analysis

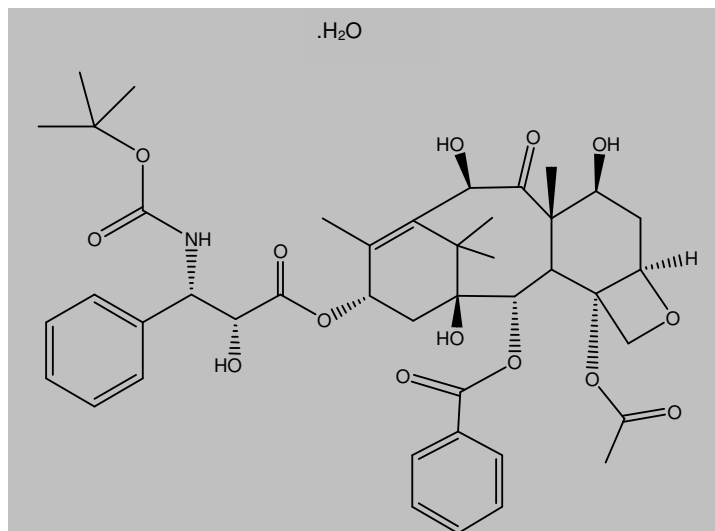
### Quality Control Testing and Research Application

COA Preparation Date: 07/05/2015  
 COA Revision Date: 07/05/2018

**Product:** Docetaxel  
**Cat. No.:** BG0588  
**Batch No.:** 0588BG/03  
**Chemical Name:** 1,7β,10β-Trihydroxy-9-oxo-5β,20-epoxytax-11-ene-2α,4,13α-triyl 4-acetate 2-benzoate 13-[(2*R*,3*S*)-3-[(tert-butoxycarbonyl)amino]-2-hydroxy-3-phenylpropanoate]; Taxotere

#### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>43</sub>H<sub>53</sub>NO<sub>14</sub> .0.8 CH<sub>3</sub>CN  
**Batch Molecular Weight:** 857.95  
**CAS No.:** [114977-28-5]  
**Physical Appearance:** White crystalline powder  
**Melting Point:** 170 - 173° C  
**Solubility:** Soluble to 25 mM in ethanol or to 100 mM in DMSO  
**Storage:** Desiccate at +4° C  
**Batch Molecular Structure:**



**Product Description:** Antitumour agent that promotes and stabilises Tubulin polymerisation. It is used mainly for the treatment of breast, ovarian and non-small cell lung cancer. A derivative of Paclitaxel (Taxol) (Cat. No. BG0088).

**References:** 1. Pazdur et al. (1993) Cancer Treat Rev 19:351; 2. Saloustros and Georgoulas (2008) Expert Rev Anticancer Ther 8:1207; 3. Nishiyama and Wada (2009) Gastric Cancer 12:132

- CAUTION - Not fully tested. For Research use only. Not for human use. -

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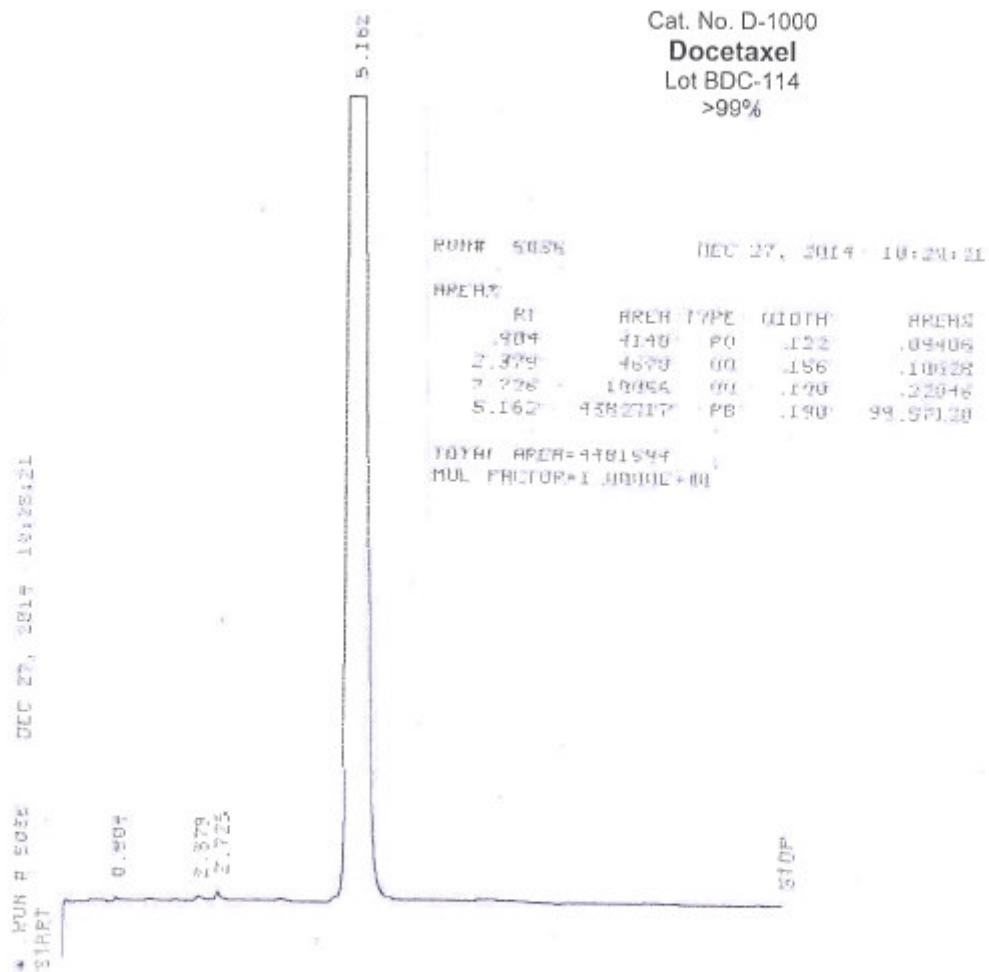
**BG0588 Docetaxel**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 99% (complies).



HPLC: C<sub>18</sub> Column, 4.6 mm x 30 cm  
 Acetonitrile/Methanol/Water 45/20/35  
 2 mL/min  
 UV<sub>254</sub> Detection

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