

Certificate Of Analysis

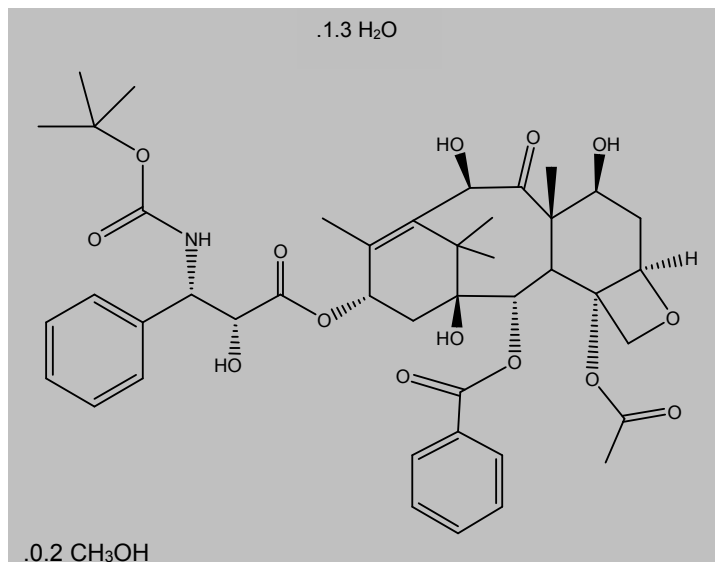
Quality Control Testing and Research Application

COA Preparation Date: 24/05/2016
 COA Revision Date: 24/05/2019

Product: Docetaxel
Cat. No.: BG0588
Batch No.: 0588BG/04
Chemical Name: 1,7β,10β-Trihydroxy-9-oxo-5β,20-epoxytax-11-ene-2α,4,13α-triyl 4-acetate 2-benzoate 13-[(2R,3S)-3-[(tert-butoxycarbonyl)amino]-2-hydroxy-3-phenylpropanoate]; Taxotere

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₃H₅₃NO₁₄ .0.2 CH₃OH .1.3 H₂O
Batch Molecular Weight: 837.72
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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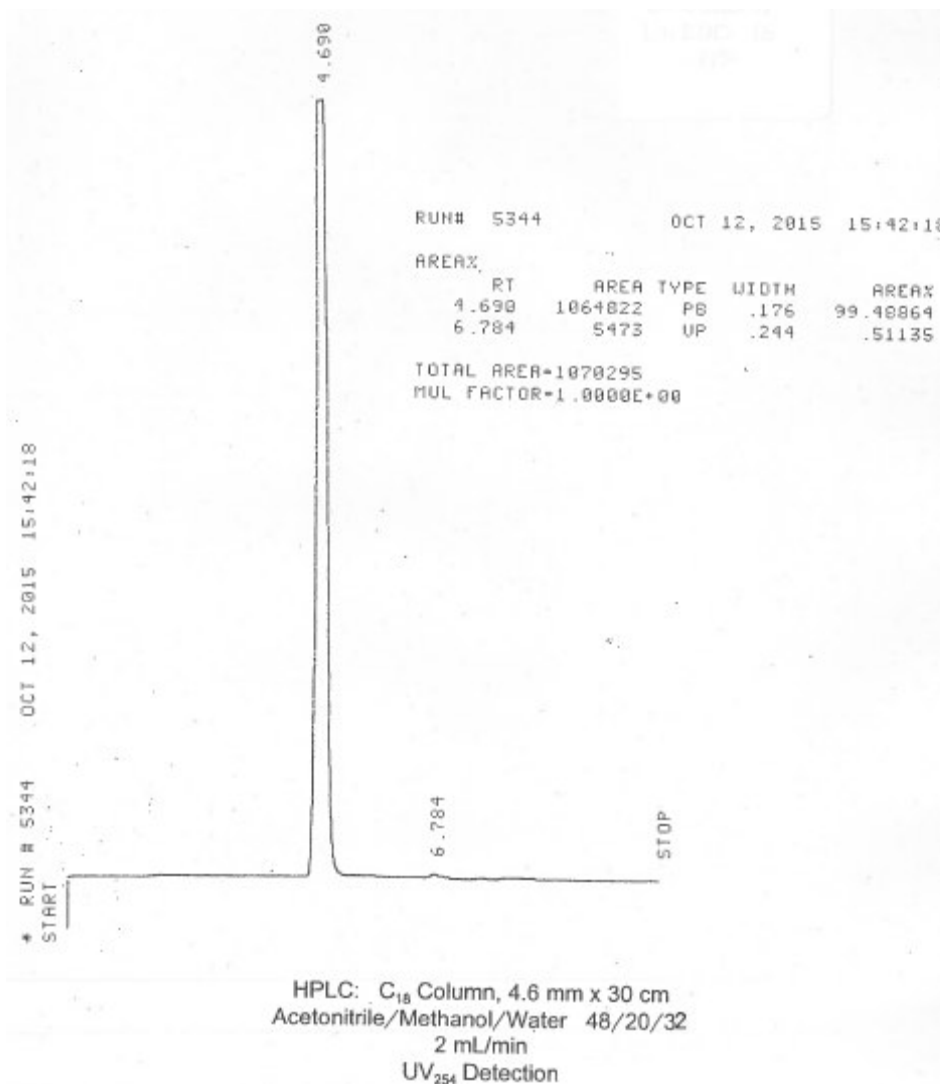
BG0588 Docetaxel

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

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



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