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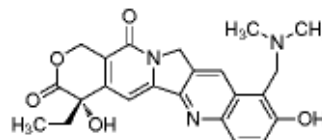
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Topotecan hydrochloride hydrate - ≥98% (HPLC and enzymatic)

Product Number: T2705
Lot Number: 052M4728V
Brand: SIGMA
CAS Number: 123948-87-8
Formula: C₂₃H₂₃N₃O₅·xHCl·yH₂O
Formula Weight: 421.45 g/mol
Storage Temperature: Store at -20 °C
Quality Release Date: 01 JUN 2012



Test	Specification	Result
Appearance (Color)	Yellow	Light Yellow
Appearance (Form)	Powder	Powder
Elemental Composition	Pass	Pass
C ₂₃ H ₂₃ N ₃ O ₅ ·xHCl·yH ₂ O		
ELEMENTAL ANALYSIS X VALUE	0.0 - 2.0	1.0
HCl		
ELEMENTAL ANALYSIS Y VALUE	0.0 - 4.0	3.6
H ₂ O		
Identity	Confirmed	Conforms
HPLC co-injection with standard		
Purity (HPLC)	≥ 98.0 %	99.1 %

Brendan Nye, QC Team Leader
 Quality Control
 Natick, Massachusetts US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.