Irinotecan, Hydrochloride Salt, Trihydrate

Product Description

Catalog #: LZR500, 100 mg  
LZR501, 200mg  
LZR502, 250mg  
LZR503, 500mg  
LZR504, 1g  
LZR504, 2g  
LZR504, 5g  

Name: Irinotecan, Hydrochloride Salt, Trihydrate, >99%  

CAS: 136572-09-3  
C₃₃H₃₈N₄O₆•HCl•3H₂O  
MW: 677.18  

Solubility: Soluble in DMSO at 100 mg/mL; very poorly soluble in ethanol; soluble in water at 25 mg/mL; buffers, serum, or other additives may increase or decrease the aqueous solubility.  

Storage: Store at or below -20 ºC  

For Research Use Only  

Technical and Scientific Information  

Irinotecan (CPT-11) is a topoisomerase I inhibitor. It is a semisynthetic analog of the natural alkaloid camptothecin and has an active metabolite SN-38 (7-Ethyl-10-hydroxycamptothecin). During the S phase of the cell cycle, camptothecins selectively bind to and stabilize topoisomerase I-DNA complexes, inhibiting religation, causing the accumulation of topoisomerase I-mediated single-strand DNA breaks in the DNA, and producing irreversible double-strand DNA breaks that lead to cell death. Garcia-Carbonero, R. and Supko, J.G. "Current perspectives on the clinical experience, pharmacology, and continued development of the camptothecins." Clin. Cancer Res. 8: 641-661 (2002).

Both irinotecan and topotecan have activity in vivo against L1210 and P388 leukemia, mouse colon adenocarcinomas 38 and 51, Lewis lung carcinoma, mouse breast adenocarcinoma 16/C, and human tumor xenografts of B16 melanoma.
FT-LZR500


Irinotecan is the active ingredient in the drug sold under the trade name Camptosar® in USA and Campto® in Japan. This drug has been approved in at least one country for use in patients with metastatic colorectal cancer

**Sold for laboratory or manufacturing purposes only; not for human, medical, veterinary, food, or household use.**

**Ordering information**

Catalog size quantities and prices may be found at [http://www.interchim.com](http://www.interchim.com).

Please inquire for higher quantities (availability, shipment conditions).

Please contact InterBioTech – Interchim for any other information

Hotline : +33(0)4 70 03 73 06 – Interbiotech@interchim.com

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