



LKT Laboratories, Inc.

9-Aminocamptothecin Hydrochloride

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Product Information

Product ID A491337

CAS No. 91421-43-1 (free base)

Chemical Name

Synonym 9-Amino-20-camptothecin HCl; 9-AC HCl

Formula $C_{20}H_{17}N_3O_4 \cdot HCl$

Formula Wt. 399.83

Melting Point

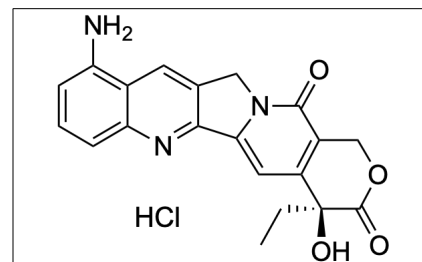
Purity $\geq 98\%$

Solubility

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description 9-amino-Camptothecin is a camptothecin derivative. Camptothecin is a quinolone alkaloid precursor of irinotecan; it is originally found in *Camptotheca*. Camptothecin exhibits anticancer chemotherapeutic activity, inhibiting topoisomerase I and inducing double-stranded DNA breaks. Camptothecin is extremely cytotoxic and only its derivatives are clinically used as chemotherapeutics.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A491337	1 mg	\$68.10
A491337	10 mg	\$305.70
A491337	25 mg	\$636.60
A491337	50 mg	\$1060.90

References Rodríguez-Berna G, Mangas-Sanjuán V, Gonzalez-Alvarez M, et al. A promising camptothecin derivative: Semisynthesis, antitumor activity and intestinal permeability. *Eur J Med Chem.* 2014 Jun 25;83C:366-373. PMID: 24980118.

Berniak K, Rybak P, Bernas T, et al. Relationship between DNA damage response, initiated by camptothecin or oxidative stress, and DNA replication, analyzed by quantitative 3D image analysis. *Cytometry A.* 2013 Jul 11. [Epub ahead of print]. PMID: 23846844.

Redinbo MR, Stewart L, Kuhn P, et al. Crystal structures of human topoisomerase I in covalent and noncovalent complexes with DNA. *Science.* 1998 Mar 6;279(5356):1504-13. PMID: 9488644.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.