



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 $\geq 98\%$

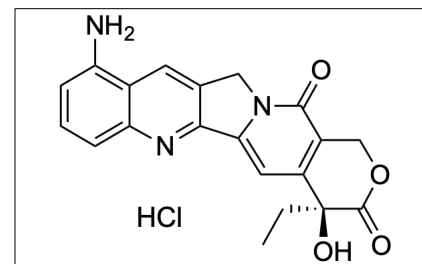
Solubility

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. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A491337	1 mg	\$52.50
A491337	10 mg	\$235.50
A491337	25 mg	\$490.50
A491337	50 mg	\$817.40

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.