Irinotecan . hydrochloride . trihydrate

Topoisomerase I inhibitor

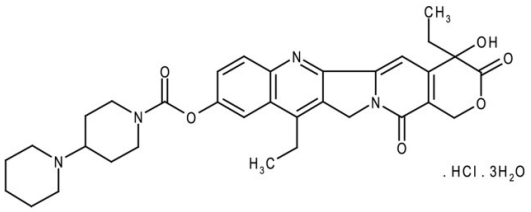
A member of the camptothecin drug family, and an inhibitor of the nuclear enzyme topoisomerase I, which is involved in cellular DNA replication and transcription. During replication topoisomerase I mediates the relaxation of super coiled DNA, and its inhibition results in breakage of the DNA chain and likely induce apoptosis. Irinotecan is, therefore, an attractive target for anticancer drug development. Currently it is used for the treatment of small cell lung cancer and advanced colorectal cancer.

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ALX-430-139-M025	25mg

Manuals, SDS & CofA View Online »


CH3
OH
O
O
N
N
O
O
O
H3C
. HCl . 3H2O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Camptosar, 7-ethyl-10-hydroxycamptothecin, CPT-11
Appearance	White solid.
CAS	136572-09-3
Couple Target	Topoisomerase
Couple Type	Inhibitor
Formula	$C_{33}H_{38}N_4O_6$. HCl . $3H_2O$
Identity	Determined by NMR.
MI	**14:** 5091
MW	586.7 . 36.5 . 54.0
Purity	≥97% (HPLC)
RTECS	DW1061000
Solubility	Slightly soluble in methanol or water.

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