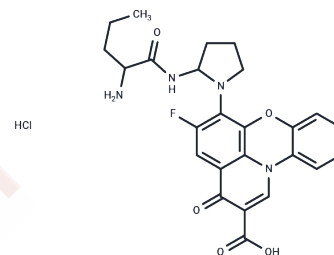


A 74932

## Chemical Properties

CAS No. :	148201-60-9
Formula:	C <sub>25</sub> H <sub>26</sub> ClFN <sub>4</sub> O <sub>5</sub>
Molecular Weight:	516.95
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	A 74932 is a quinolone antibacterial agent and inhibitor of topoisomerase II enzyme. A-74932 possesses good activity in vivo against both systemic tumour, subcutaneously implanted murine solid tumours and human tumour xenografts.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9344 mL	9.6721 mL	19.3442 mL
5 mM	0.3869 mL	1.9344 mL	3.8688 mL
10 mM	0.1934 mL	0.9672 mL	1.9344 mL
50 mM	0.0387 mL	0.1934 mL	0.3869 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Chu DT, Hallas R, Clement JJ, Alder J, McDonald E, Plattner JJ. Synthesis and antitumour activities of quinolone antineoplastic agents. *Drugs Exp Clin Res.* 1992;18(7):275-82. PubMed PMID: 1338309.
- Snyder RD. Use of catalytic topoisomerase II inhibitors to probe mechanisms of chemical-induced clastogenicity in Chinese hamster V79 cells. *Environ Mol Mutagen.* 2000;35(1):13-21. PubMed PMID: 10692223.
- Chu DT, Hallas R, Tanaka SK, Alder J, Balli D, Plattner JJ. Synthesis and antitumour activities of tetracyclic quinolone antineoplastic agents. *Drugs Exp Clin Res.* 1994;20(5):177-83. PubMed PMID: 7875053.
- Permana PA, Snapka RM, Shen LL, Chu DT, Clement JJ, Plattner JJ. Quinobenoxazines: a class of novel antitumor quinolones and potent mammalian DNA topoisomerase II catalytic inhibitors. *Biochemistry.* 1994 Sep 20;33(37):11333-9. PubMed PMID: 7727384.

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