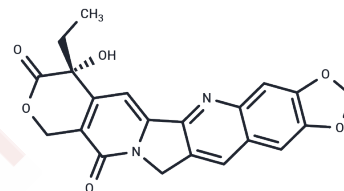


(R)-FL118

Chemical Properties

CAS No. : 151636-76-9
 Formula: C₂₁H₁₆N₂O₆
 Molecular Weight: 392.36
 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	FL118 inhibits human survivin expression and activates tumor suppressor p53 as a MOA in p53 wild-type cancer cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5487 mL	12.7434 mL	25.4868 mL
5 mM	0.5097 mL	2.5487 mL	5.0974 mL
10 mM	0.2549 mL	1.2743 mL	2.5487 mL
50 mM	0.051 mL	0.2549 mL	0.5097 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

Wang J, Liu Z, Zhang D, Liu R, Lin Q, Liu J, Yang Z, Ma Q, Sun D, Zhou X, Jiang G. FL118, a novel survivin inhibitor, wins the battle against drug-resistant and metastatic lung cancers through inhibition of cancer stem cell-like properties. *Am J Transl Res.* 2017 Aug 15;9(8):3676-3686. eCollection 2017. PubMed PMID: 28861158; PubMed Central PMCID: PMC5575181.

Li F, Ling X, Harris DL, Liao J, Wang Y, Westover D, Jiang G, Xu B, Boland PM, Jin C. Topoisomerase I (Top1): a major target of FL118 for its antitumor efficacy or mainly involved in its side effects of hematopoietic toxicity? *Am J Cancer Res.* 2017 Feb 1;7(2):370-382. eCollection 2017. PubMed PMID: 28337384; PubMed Central PMCID: PMC5336509.

Ling X, Liu X, Zhong K, Smith N, Prey J, Li F. FL118, a novel camptothecin analogue, overcomes irinotecan and topotecan resistance in human tumor xenograft models. *Am J Transl Res.* 2015 Oct 15;7(10):1765-81. eCollection 2015. PubMed PMID: 26692923; PubMed Central PMCID: PMC4656756.

Westover D, Ling X, Lam H, Welch J, Jin C, Gongora C, Del Rio M, Wani M, Li F. FL118, a novel camptothecin derivative, is insensitive to ABCG2 expression and shows improved efficacy in comparison with irinotecan in colon and lung cancer models with ABCG2-induced resistance. *Mol Cancer.* 2015 Apr 28;14:92. doi: 10.1186/s12943-015-0362-9. PubMed PMID: 25928015; PubMed Central PMCID: PMC4427926.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481