
Product Data Sheet

Product Name: (R)-FL118

Cat. No.: GC65384

Chemical Properties

Cas. No. 151636-76-9

Formula C₂₁H₁₆N₂O₆

M.Wt 392.36

Solubility DMSO : 2.7 mg/mL (6.88 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

(R)-FL118 (10,11-(Methylenedioxy)-20(R)-camptothecin) is the R-enantiomer of FL118 . (R)-FL118 shows anticancer activity[1].

(R)-FL118 inhibits the growth of melanoma, breast, and prostate cancer cell lines, with IC₅₀ values of 392.7, 32.53, 129.3, 138.7, and 92.51 ng/mL in B16, MCF-7, HS578T, DU145, and MPC3 cells, respectively[1].

[1]. Del Poeta M, et al. Comparison of in vitro activities of camptothecin and nitidine derivatives against fungal and cancer cells. Antimicrob Agents Chemother. 1999 Dec;43(12):2862-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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