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## Product Data Sheet

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Product Name: LP-184  
Cat. No.: GC69399

### Chemical Properties

Cas. No. 924835-67-6

Formula  $C_{16}H_{20}N_2O_4$  M.Wt 304.34

Solubility DMSO : 100 mg/mL (328.58 mM; Need ultrasonic) 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

IC50: 0.68  $\mu$ M (HT29); 0.6  $\mu$ M (OVCAR-3); 16  $\mu$ M (AsPC-1); 0.14  $\mu$ M (PC-3)

LP-184 (compound 6), an acylfulvene analog, inhibits tumor growth. LP-184 has potent anti-cancer activity in the ovarian, colon, prostate and pancreatic cell lines. (patent WO2007019308A2).

LP-184 inhibits the growth of HT29, OVCAR-3, AsPC-1 and PC-3, with  $GI_{50}$ s of 0.68, 0.6, 16 and 0.14  $\mu$ M, respectively<sup>[1]</sup>.

LP-184 displays  $IC_{50}$ s of 800nM and 210 nM for anti-cancer activitie in the thymidine incorporation into cellular DNA (2 hour) and Trypan blue (48 hour) assay<sup>[1]</sup>.

LP-184 (7.5 and 10 mg/kg; i.p.; 21 day) has potent 15 anti-tumor activity against MV522 tumors, producing 4/6 and 5/5 partial responses, respectively<sup>[1]</sup>.

Animal Model: Mice (MV522 tumors) <sup>[1]</sup>

Dosage: 7.5 and 10 mg/kg

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

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Administration: I.p; 21day

Result: Effective agent for human anti-tumor  
therapy.

[1]. Trevor C. Mcmorris, et al. Illudin analogs useful as anticancer agents.  
WO2007019308A2.

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