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**Product Data Sheet**

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Product Name: T01-1  
Cat. No.: GC67801

**Chemical Properties**

Cas. No. 2356229-14-4

Formula  $C_{26}H_{29}N_3O_6S$  M.Wt 511.59

Solubility Storage Store at -20°C, protect from light

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**

T01-1 is an anticancer agent (camptothecin derivative) with good anti-proliferative activity<sup>[1]</sup>.

T01-1 (0-50 nM; 3 days) anti-proliferative activity in HCC1806 cells<sup>[1]</sup>.

Cell Proliferation Assay<sup>[1]</sup>

Cell Line: HCC1806 cells

Concentration: 0-50 nM

Incubation Time: 3 days

Result: Inhibited cell proliferation with an EC<sub>50</sub> value of 6.7 nM.

T01-1 (1 mg/kg; i.v.; single) shows T<sub>1/2</sub> values of 2.78 and 1.97 h in female and male rats, respectively<sup>[1]</sup>.

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

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Animal Model: Sprague Dawley rat (half male and half female)<sup>[1]</sup>.

Dosage: 1 mg/kg

Administration: Intravenous injection; single

**Pharmacokinetic Parameters of T01-1 in Sprague Dawley rat <sup>[1]</sup>.**

IV (1 mg/kg)

Female Male

Result:	AUC <sub>Last</sub> (ng/mL•h)	437	214
	C <sub>max</sub> (ng/mL)	838	625
	MRT <sub>INF</sub> (h)	2.81	0.44
	T <sub>1/2</sub> (h)	2.78	1.97
	T <sub>max</sub> (h)	0.08	0.08

[1]. Li Deliang, et al. Camptothecin derivative and water-soluble prodrug, pharmaceutical composition preparation method, and application. Patent WO2020156189A1.

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