Clanfenur

Cat. No.: HY-106825

CAS No.: 51213-99-1

Molecular Formula: $C_{16}H_{15}ClFN_3O_2$

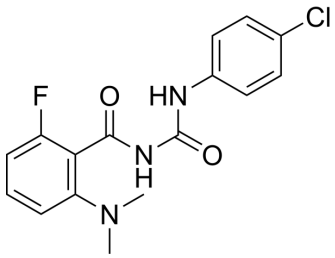
Molecular Weight: 335.76

Target: Microtubule/Tubulin

Pathway: Cell Cycle/DNA Damage; Cytoskeleton

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (372.29 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.9783 mL	14.8916 mL	29.7832 mL
	5 mM	0.5957 mL	2.9783 mL	5.9566 mL
	10 mM	0.2978 mL	1.4892 mL	2.9783 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Clanfenur is a substituted benzoylphenylurea, an analogue of the pesticide fenfluramide, with potential antineoplastic activity. Clanfenur can bind to the colchicine-binding site on β-tubulin, inhibit microtubule polymerization, and thus prevent tumor cell replication[1].

REFERENCES

[1]. J D Jonkman-de Vries, et al. Pharmaceutical development of a parenteral formulation of the investigational anticancer drug clanfenur. PDA J Pharm Sci Technol. 1997 Mar-Apr;51(2):89-95.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA