Surfen dihydrochloride

Cat. No.: HY-122704A

CAS No.: 5424-37-3

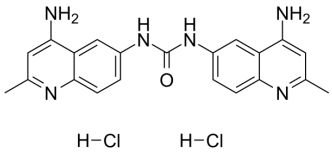
Molecular Formula: $C_{21}H_{22}Cl_2N_6O$

Molecular Weight: 445

Target: FGFR; HSV; VEGFR

Pathway: Protein Tyrosine Kinase/RTK; Anti-infection

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 8 mg/mL (17.98 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.2472 mL	11.2360 mL	22.4719 mL
	5 mM	0.4494 mL	2.2472 mL	4.4944 mL
	10 mM	0.2247 mL	1.1236 mL	2.2472 mL

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

BIOLOGICAL ACTIVITY

Description

Surfen dihydrochloride is a potent HS (heparan sulfate) antagonist. Surfen binds to glycosaminoglycans. Surfen neutralizes the anticoagulant activity of both unfractionated and low molecular weight heparins. Surfen affects sulfation of heparin and inhibits degradation by heparin lyases. Surfen inhibits FGF2 binding and signaling. Surfen inhibits cell attachment, and virus infection[1].

IC_{50} & Target		
	FGFR2 5 μM (IC_{50})	HSV-1

REFERENCES

[1]. Schuksz M, et al. Surfen, a small molecule antagonist of heparan sulfate. Proc Natl Acad Sci U S A. 2008 Sep 2;105(35):13075-80.

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