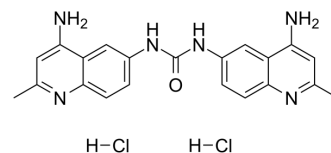


## Surfen dihydrochloride

<b>Cat. No.:</b>	HY-122704A
<b>CAS No.:</b>	5424-37-3
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>6</sub> O
<b>Molecular Weight:</b>	445.34
<b>Target:</b>	FGFR; HSV; VEGFR
<b>Pathway:</b>	Protein Tyrosine Kinase/RTK; Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	FGFR2 5 μM (IC <sub>50</sub> )	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.**

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