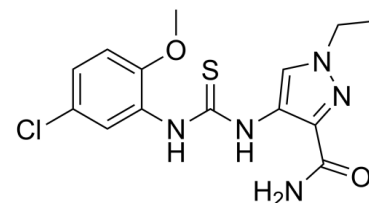


## Data Sheet

<b>Product Name:</b>	FPH2
<b>Cat. No.:</b>	CS-6908
<b>CAS No.:</b>	957485-64-2
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>16</sub> ClN <sub>5</sub> O <sub>2</sub> S
<b>Molecular Weight:</b>	353.83
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	DMSO : 100 mg/mL (282.62 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

FPH2 induces functional proliferation of primary human hepatocytes and may lead to the development of new therapeutics for liver diseases. *In Vitro*: FPH2 induces functional proliferation of hepatocytes *in vitro*, and thus may be useful for expanding mature human primary hepatocytes. FPH1 and FPH2 can increase in hepatocyte nuclei count and/or elevate the number of nuclei undergoing mitosis during primary screening, and these effects on hepatocytes are concentration dependent. Cells treated with FPH1 and FPH2 also maintain their liver-specific functions. Over 7 days, FPH2 induces hepatocyte doublings at a rate that is consistent with reported liver regeneration kinetics *in vivo*<sup>[1]</sup>.

### References:

[1]. Shan J, et al. Identification of small molecules for human hepatocyte expansion and iPS differentiation. Nat Chem Biol. 2013 Aug;9(8):514-20.

### CAIndexNames:

1H-Pyrazole-3-carboxamide, 4-[[[(5-chloro-2-methoxyphenyl)amino]thioxomethyl]amino]-1-ethyl-

### SMILES:

O=C(C1=NN(CC)C=C1NC(NC2=CC(Cl)=CC=C2OC)=S)N

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA