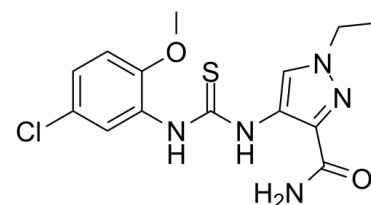


## Data Sheet

Product Name:	FPH2
Cat. No.:	CS-6908
CAS No.:	957485-64-2
Molecular Formula:	C <sub>14</sub> H <sub>16</sub> ClN <sub>5</sub> O <sub>2</sub> S
Molecular Weight:	353.83
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 125 mg/mL (353.28 mM)



### 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.**

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