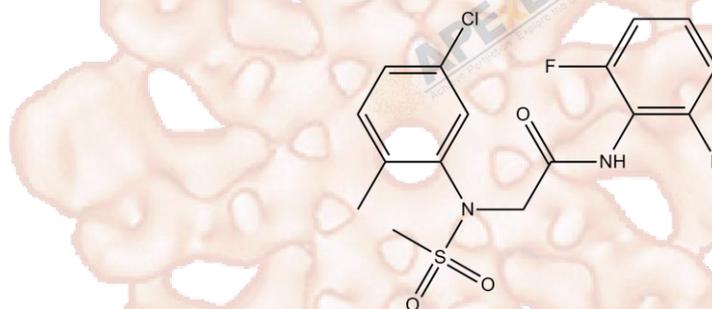


Product Data Sheet

FPH1 (BRD-6125)

Cat. No.:	B3701
CAS No.:	708219-39-0
Formula:	C ₁₆ H ₁₅ ClF ₂ N ₂ O ₃ S
M.Wt:	388.82
Synonyms:	
Target:	Others
Pathway:	Others
Storage:	Store at -20°C



Solvent & Solubility

≥38.9 mg/mL in DMSO; insoluble in H₂O; insoluble in EtOH

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		2.5719 mL	12.8594 mL	25.7188 mL
	5 mM		0.5144 mL	2.5719 mL	5.1438 mL
	10 mM		0.2572 mL	1.2859 mL	2.5719 mL

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

Biological Activity

Shortsummary

Hepatocyte functional proliferation enhancer

IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line:	Primary human hepatocytes
Preparation method:	The solubility of this compound in DMSO is >10 mM. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Reacting conditions:	20 μM; days 1 and 5

	Applications:	In primary human hepatocytes, FPH1 (BRD-6125) induced functional proliferation of hepatocytes and thus might be useful for expanding mature human primary hepatocytes. FPH1 induced an increase in hepatocyte nuclei count and/or elevated the number of nuclei undergoing mitosis in a concentration dependent way.
In Vivo	Animal experiment	
	Applications:	

Product Citations

1. Yuan L, Liu X, et al. "Optimized HepaRG is a suitable cell source to generate the human liver chimeric mouse model for the chronic hepatitis B virus infection." *Emerg Microbes Infect.* 2018 Aug 10;7(1):144.PMID:30097574

See more customer validations on www.apexbt.com.

References

[1] Shan J, Schwartz R E, Ross N T, et al. Identification of small molecules for human hepatocyte expansion and iPS differentiation. *Nature chemical biology*, 2013.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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