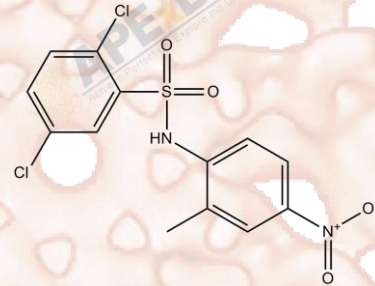


Product Data Sheet

FH535

Cat. No.:	A3413
CAS No.:	108409-83-2
Formula:	C ₁₃ H ₁₀ Cl ₂ N ₂ O ₄ S
M.Wt:	361.2
Synonyms:	FH 535;FH-535
Target:	Stem Cell
Pathway:	Wnt/ β -catenin
Storage:	Store at -20°C



Solvent & Solubility

≥36.1 mg/mL in DMSO with gentle warming; insoluble in H₂O; ≥5.87 mg/mL in EtOH with gentle warming

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	2.7685 mL	13.8427 mL	27.6855 mL
	5 mM	0.5537 mL	2.7685 mL	5.5371 mL
	10 mM	0.2769 mL	1.3843 mL	2.7685 mL

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

Biological Activity

Shortsummary

Wnt/B-catenin inhibitor

IC₅₀ & Target

Cell Viability Assay

In Vitro

Cell Line:	HCT116, SW48, RKO, LoVo, COLO205, IEC6, A427, HCC15, NCI-H1703, A549, HepG2, Hep3b, Huh7 and fibroblasts
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:	30 μ M; 48 hrs
	Applications:	FH535 showed selective anti-proliferation effect on some cancer cells (HCT116, SW48, RKO, LoVo, COLO205, A427, HCC15, NCI-H1703, A549, HepG2, Hep3b and Huh7 cells) expressing high or active Wnt/ β -catenin pathway.
In Vivo	Animal experiment	
	Animal models:	Nude mouse bearing pancreatic cancer xenografts
	Dosage form:	25 mg/kg; i.p.; every 2 days for 20 days
	Applications:	FH535 significantly repressed pancreatic cancer xenograft growth in vivo and showed better performance status with respect to body weight loss.
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

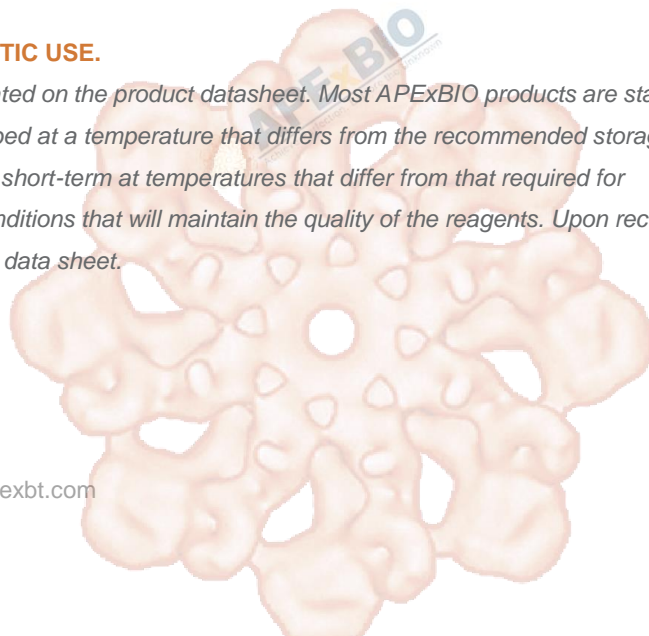
- [1]. Shlomo Handeli and Julian A. Simon. A small-molecule inhibitor of Tcf/ β -catenin signaling down-regulates PPAR γ and PPAR δ activities. *Molecular Cancer Therapeutics*. 2008, 7:521-529.
- [2]. Liu L, Zhi Q, Shen M, Gong FR, Zhou BP, Lian L, Shen B, Chen K, Duan W, Wu MY, Tao M, Li W. FH535, a β -catenin pathway inhibitor, represses pancreatic cancer xenograft growth and angiogenesis. *Oncotarget*. 2016 Jun 13.

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 APEX[®]BIO 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.



APEx BIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com

