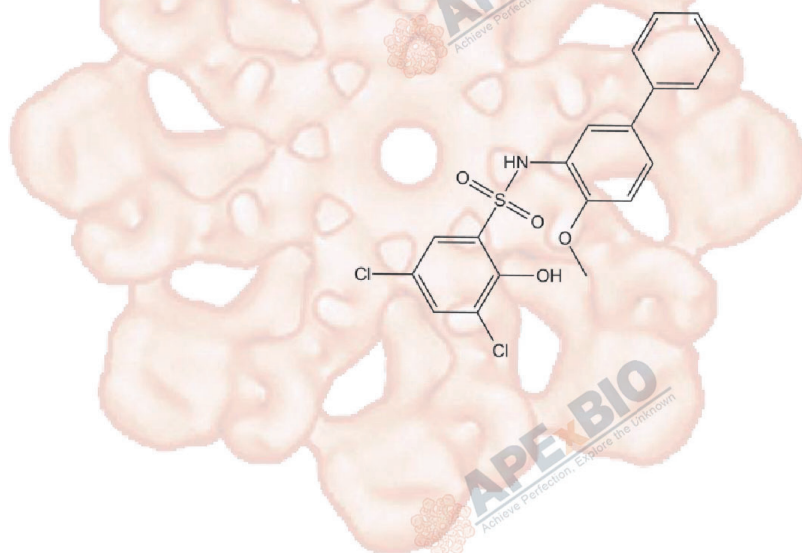


Product Data Sheet

BMS-303141

Cat. No.:	B1079
CAS No.:	943962-47-8
Formula:	C ₁₉ H ₁₅ Cl ₂ NO ₄ S
M.Wt:	424.3
Synonyms:	
Target:	Others
Pathway:	ATP citrate lyase
Storage:	Store at -20°C



Solvent & Solubility

≥21.2 mg/mL in DMSO; insoluble in H₂O; insoluble in EtOH

In Vitro	Preparing Stock Solutions	Mass			
		Solvent Concentration	1mg	5mg	10mg
		1 mM	2.3568 mL	11.7841 mL	23.5682 mL
		5 mM	0.4714 mL	2.3568 mL	4.7136 mL
		10 mM	0.2357 mL	1.1784 mL	2.3568 mL

Please refer to the solubility information to select the appropriate solvent

Biological Activity

Shortsummary	ATP-citrate lyase inhibitor,potent	
IC ₅₀ & Target		
In Vitro	Cell Viability Assay	
	Cell Line:	HepG2 cells
	Preparation method:	The solubility of this compound in DMSO is > 21.2 mg/mL. 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:	8 μM; 6 hrs	

	Applications:	In HepG2 cells, BMS-303141 inhibited total lipid synthesis with an IC50 value of 8 μ M. Moreover, BMS-303141 showed no cytotoxicity up to 50 μ M.
In Vivo	Animal experiment	
	Animal models:	High-fat fed mice
	Dosage form:	10 and 100 mg/kg; p.o.
	Applications:	In high-fat fed mice, BMS-303141 modestly reduced both plasma cholesterol and triglyceride 20 days after treatment. In addition, fasting plasma glucose started to decrease from day 7 to completion of the study.
	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]. Li JJ, Wang H, Tino JA, et al. 2-hydroxy-N-arylbenzenesulfonamides as ATP-citrate lyase inhibitors. *Bioorg Med Chem Lett*, 2007, 17(11): 3208-3211.

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.

APExBIO Technology

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