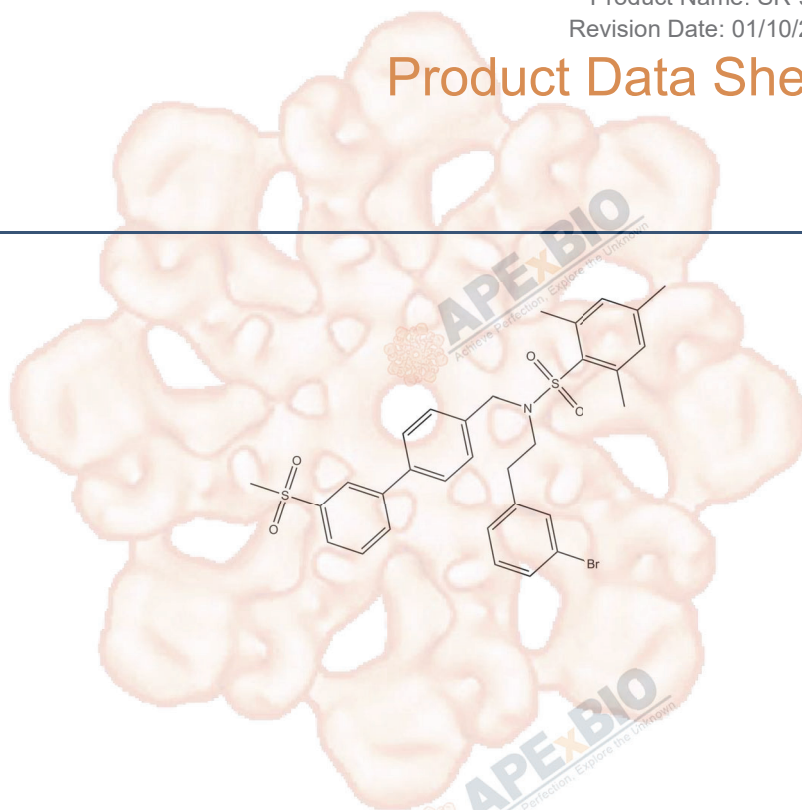


Product Data Sheet

SR-9243

Cat. No.:	A8714
CAS No.:	1613028-81-1
Formula:	C ₃₁ H ₃₂ BrNO ₄ S ₂
M.Wt:	626.62
Synonyms:	
Target:	Others
Pathway:	LXR
Storage:	Store at -20°C



Solvent & Solubility

≥ 25.2 mg/mL in DMSO, insoluble in H₂O, insoluble in EtOH

In Vitro	Preparing Stock Solutions	Mass			
		Solvent Concentration	1mg	5mg	10mg
		1 mM	1.5959 mL	7.9793 mL	15.9586 mL
		5 mM	0.3192 mL	1.5959 mL	3.1917 mL
		10 mM	0.1596 mL	0.7979 mL	1.5959 mL

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

Biological Activity

Shortsummary	inverse agonist of LXR	
IC ₅₀ & Target		
In Vitro	Cell Viability Assay	
	Cell Line:	SW620, HT-29, DU-145, PC3, NCI-H23 and HOP-62 cancer cells
	Preparation method:	This compound is soluble in DMSO. 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:	100 nM; 96 hrs
	Applications:	In a variety of cancer cell lines, SR-9243 reduced cancer cell viability, with IC ₅₀

values ranging from 15 ~ 104 nM. In addition, SR-9243 induced apoptotic cell death and sensitized cancer cells to chemotherapeutic treatments.

Animal experiment

Animal models: Athymic mice bearing SW620 colon cancer xenografts

Dosage form: 30 or 60 mg/kg; i.p.; q.d.

Applications: In athymic mice bearing SW620 colon cancer xenografts, SR-9243 substantially reduced the growth of colon cancer xenografts in a dose-dependent manner. Meanwhile, SR-9243-treated tumor-bearing mice did not show any 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.

In Vivo

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Flaveny CA, Griffett K, El-Gendy Bel-D et al. Broad Anti-tumor Activity of a Small Molecule that Selectively Targets the Warburg Effect and Lipogenesis. *Cancer Cell*. 2015 Jul 13;28(1):42-56.

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. Short-term 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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