

ZSH-2208

Chemical Properties

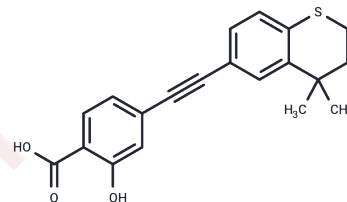
CAS No. : 2131803-75-1

Formula: C₂₀H₁₈O₃S

Molecular Weight: 338.42

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	ZSH-2208 is a retinoic acid A analogue that inhibits tumour cell proliferation and survival through RAR γ -TNFAIP3 and retinoid receptors.
Targets(IC50)	Retinoid Receptor
In vivo	Methods: ZSH-2208 (0.28, 2.8, 0.35 mg/kg, tail vein injection) was used to treat ESCC-TRC tumor xenograft suppression model nude mice, and the survival rate and development of subcutaneous tumors of mice were regularly observed. Results: Low dose (0.28 mg/kg) of ZSH-2208 significantly inhibited the growth of subcutaneous tumors in nude mice, and the tumor weight of the high dose group (2.8 mg/kg ZSH-2208) was significantly reduced. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (236.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9549 mL	14.7745 mL	29.5491 mL
5 mM	0.591 mL	2.9549 mL	5.9098 mL
10 mM	0.2955 mL	1.4775 mL	2.9549 mL
50 mM	0.0591 mL	0.2955 mL	0.591 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chen R, et al. ZSH-2208: A novel retinoid with potent anti-tumour effects on ESCC stem cells via RAR γ -TNFAIP3 axis. Clin Transl Med. 2025 Jan;15(1):e70148.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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