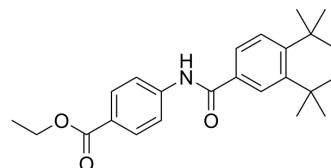


SRI 6409-94

Cat. No.:	HY-147251		
CAS No.:	127697-58-9		
Molecular Formula:	C ₂₄ H ₂₉ NO ₃		
Molecular Weight:	379.49		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (131.76 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6351 mL	13.1756 mL	26.3512 mL
	5 mM		0.5270 mL	2.6351 mL	5.2702 mL
	10 mM		0.2635 mL	1.3176 mL	2.6351 mL

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

BIOLOGICAL ACTIVITY

Description

SRI 6409-94 is an orally active Ro 13-6298 analogue that is teratogenic. SRI 6409-94 serves as a molecular tool to study the effect of the three-dimensional configuration of retinol on teratogenic activity^{[1][2]}.

In Vivo

SRI 6409-94 causes virgin female outbred syrian golden hamciasters to produce deformed offspring, in a dose-dependent manner^[1].

SRI 6409-94 leads to reductions in mean fetal body weight and in the numbers of ossified skeletal districts, significantly^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Willhite CC, et al. Structure-activity relationships of retinoids in developmental toxicology. IV. Planar Cisoid conformational restriction. Toxicol Appl Pharmacol. 1990 Apr;103(2):324-44.

Caution: Product has not been fully validated for medical applications. For research use only.

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