



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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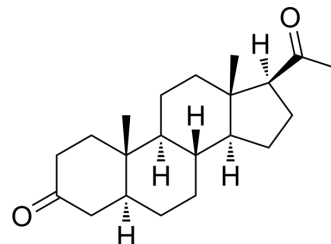
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5a-Pregnane-3,20-dione

Cat. No.:	HY-W006492		
CAS No.:	566-65-4		
Molecular Formula:	C ₂₁ H ₃₂ O ₂		
Molecular Weight:	316.48		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 6.67 mg/mL (21.08 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	3.1598 mL	15.7988 mL	31.5976 mL	
		5 mM	0.6320 mL	3.1598 mL	6.3195 mL	
	10 mM	0.3160 mL	1.5799 mL	3.1598 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 0.67 mg/mL (2.12 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	5a-Pregnane-3,20-dione is the endogenous progesterone metabolite.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	5a-Pregnane-3,20-dione decreases cell-substrate attachment, adhesion plaques, vinculin expression, and polymerizes F-actin in MCF-7 breast cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wiebe JP, et al. The endogenous progesterone metabolite, 5 α -pregnane-3,20-dione, decreases cell-substrate attachment, adhesion plaques, vinculin expression, and polymerized F-actin in MCF-7 breast cancer cells. *Endocrine*. 2001 Oct;16(1):7-14.

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

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