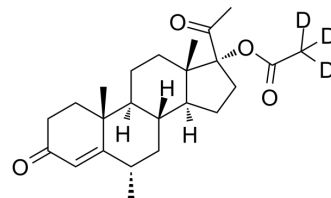


Medroxyprogesterone acetate-d₃

Cat. No.:	HY-B0469S		
Molecular Formula:	C ₂₄ H ₃₁ D ₃ O ₄		
Molecular Weight:	389.54		
Target:	Progesterone Receptor; Androgen Receptor; Glucocorticoid Receptor		
Pathway:	Vitamin D Related/Nuclear Receptor; Immunology/Inflammation		
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 : 10 mg/mL (25.67 mM; Need ultrasonic)
 Ethanol : 6.25 mg/mL (16.04 mM; ultrasonic and warming and heat to 60°C)
 H₂O : ≥ 0.1 mg/mL (0.26 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.5671 mL	12.8357 mL	25.6713 mL
	5 mM		0.5134 mL	2.5671 mL	5.1343 mL
	10 mM		0.2567 mL	1.2836 mL	2.5671 mL

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

BIOLOGICAL ACTIVITY

Description

Medroxyprogesterone acetate-d₃ is deuterium labeled Medroxyprogesterone acetate. Medroxyprogesterone acetate is a widely used synthetic steroid by its interaction with progesterone, androgen and glucocorticoid receptors[1].

REFERENCES

[1]. Schindler AE, et al. Classification and pharmacology of progestins. Maturitas. 2008 Sep-Oct;61(1-2):171-80.

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

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