

3 α -Hydroxysteroid Dehydrogenase, Microorganism

Cat. No.:	HY-P2901	
CAS No.:	9028-56-2	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	3 α -Hydroxysteroid Dehydrogenase, Microorganism
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

SOLVENT & SOLUBILITY

In Vitro H₂O : 50 mg/mL (Need ultrasonic)

BIOLOGICAL ACTIVITY

Description

3 α -Hydroxysteroid dehydrogenase (EC 1.1.1.50) (3 α -HSD) is an enzyme encoded by the AKR1C4 gene, which can catalyze the conversion of 3-ketosteroids into 3 α -hydroxy compounds. 3 α -Hydroxysteroid dehydrogenase plays an important role in the inactivation of androgen DHT, and can convert DHT into 3 α -androstenediol with weak androgen activity, which can be used in the research of hirsutism^[1].

REFERENCES

[1]. Anne Z Steiner, et al. 3 α -Hydroxysteroid dehydrogenase type III deficiency: a novel mechanism for hirsutism. J Clin Endocrinol Metab. 2008 Apr;93(4):1298-303.

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

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