

β -Estradiol 17-acetate

Chemical Properties

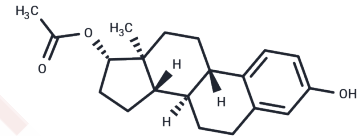
CAS No. : 1743-60-8

Formula: C₂₀H₂₆O₃

Molecular Weight: 314.42

Storage: Store under nitrogen, Store at low temperature
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	β -Estradiol 17-acetate (1,3,5(10)-Estratriene-3,17 β -diol 17-acetate) is a metabolite of estradiol.
Targets(IC ₅₀)	Estrogen Receptor/ERR

Solubility Information

Solubility	DMSO: 100 mg/mL (318.05 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	3.1805 mL	15.9023 mL	31.8046 mL
5 mM	0.6361 mL	3.1805 mL	6.3609 mL
10 mM	0.318 mL	1.5902 mL	3.1805 mL
50 mM	0.0636 mL	0.318 mL	0.6361 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

Hikima T, Yamada K, Kimura T, et al. Comparison of skin distribution of hydrolytic activity for bioconversion of beta-estradiol 17-acetate between man and several animals in vitro[J]. European Journal of Pharmaceutics and Biopharmaceutics, 2002, 54(2):155-160.

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