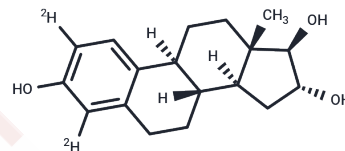


16 $\alpha$ -Hydroxy-17 $\beta$ -estradiol-2,4-D2

## Chemical Properties

CAS No. :	53866-32-3
Formula:	C <sub>18</sub> H <sub>22</sub> D <sub>2</sub> O <sub>3</sub>
Molecular Weight:	290.39
Storage:	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	16 $\alpha$ -Hydroxy-17 $\beta$ -estradiol-2,4-D2 is a deuterated compound of 16 $\alpha$ -Hydroxy-17 $\beta$ -estradiol (TMSM-1124). Estriol has a CAS number of 50-27-1. Estriol is a hydroxylated metabolite of ESTRADIOL or ESTRONE that has a hydroxyl group at C3, 16-alpha, and 17-beta position. Estriol is a major urinary estrogen. During PREGNANCY, a large amount of estriol is produced by the PLACENTA.
Targets(IC50)	Estrogen Receptor/ERR,Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4436 mL	17.2182 mL	34.4364 mL
5 mM	0.6887 mL	3.4436 mL	6.8873 mL
10 mM	0.3444 mL	1.7218 mL	3.4436 mL
50 mM	0.0689 mL	0.3444 mL	0.6887 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

Lappano R, et al. Mol Cell Endocrinol. 2010, 320(1-2), 162-170.

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