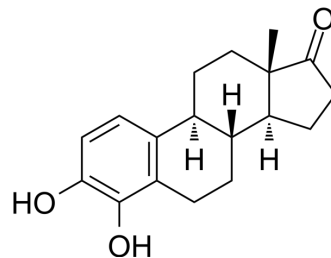


4-Hydroxyestrone

Cat. No.:	HY-W009300		
CAS No.:	3131-23-5		
Molecular Formula:	C ₁₈ H ₂₂ O ₃		
Molecular Weight:	286.37		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

4-Hydroxyestrone (4-OHE1), an estrone metabolite, has strong neuroprotective effect against oxidative neurotoxicity. 4-Hydroxyestrone increases cytoplasmic translocation of p53 resulting from SIRT1-mediated deacetylation of p53. 4-Hydroxyestrone has little estrogenic activity^[1].

REFERENCES

[1]. Hye Joung Choi, et al. 4-Hydroxyestrone, an Endogenous Estrogen Metabolite, Can Strongly Protect Neuronal Cells Against Oxidative Damage. *Sci Rep.* 2020 Apr 29;10(1):7283.

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

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