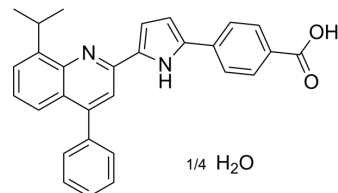


## ER 50891 quarterhydrate

Cat. No.:	HY-108531A
Molecular Formula:	C <sub>29</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub> ·1/4H <sub>2</sub> O
Molecular Weight:	437.02
Target:	RAR/RXR
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### BIOLOGICAL ACTIVITY

Description	ER 50891 quarterhydrate is a potent antagonist of retinoic acid receptor $\alpha$ (RAR $\alpha$ ). ER 50891 quarterhydrate significantly attenuates ATRA's inhibitive effects on BMP 2-induced osteoblastogenesis <sup>[1]</sup> .
IC <sub>50</sub> & Target	RAR $\alpha$ <sup>[1]</sup>

### REFERENCES

[1]. Batran RZ, et al. New quinolone derivatives as neuropeptide S receptor antagonists: Design, synthesis, homology modeling, dynamic simulations and modulation of Gq/Gs signaling pathways. *Bioorg Chem.* 2021;111:104817.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA