Phellodendrine is a quaternary base alkaloid found in the bark of *Phellodendron*. Phellodendrine exhibits immunosuppressive and anti-inflammatory activities. Phellodendrine inhibits local semisyngenic and allogenic graft-versus-host (GVH) reactions and suppresses the induction of delayed-type hypersensitivity reactions without affecting the overall antibody response in animal models. Additionally, phellodendrine decreases urinary protein, plasma creatine, and plasma cholesterol levels in animal models of crescentic-type anti-GBM nephritis, inhibiting crescent formation, adhesion, and fibrinoid necrosis in glomeruli; this compound also prevents nephritis-induced increases in immune cells and cytokines.

References


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.