Vitamin D Compounds for the Treatment of Ocular Hypertension

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Technology description

Glaucoma, the second leading cause of blindness, is an eye disease that results in optic nerve damage and loss of vision. Glaucoma usually is associated with elevated intraocular pressure (IOP). In individuals with ocular hypertension (OHT), IOP is elevated without optic nerve damage or visual field loss. Such individuals are at greater risk for developing glaucoma. UW–Madison researchers have developed a method of treating OHT by administering a vitamin D analog. The vitamin D compound can be applied topically to one or both of an individual’ s eyes to reduce IOP.
The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in developing a method of using a vitamin D analog to treat ocular hypertension.

Application area

Treating OHT, thereby reducing the risk of developing glaucoma

Advantages

Provides a safe and effective treatment for OHT
Can be administered in several forms, including eye drops, solutions and ointments
May be combined with antimicrobial compounds

Institution

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