

Review

Natural Epigenetic Modulators of Vitamin D Receptor

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Table S1. Factors affecting VDR regulation [43].

Level of regulation	Factors	Effects
Environment	Diet	Modulation of vitamin D levels
	Sun exposure	
	Age	
	Infection	
	Pollution	
Genetics	Sigarette smoke	VDR isoforms with specific physiological functions in tissues
	Multiple promoter/enhancer of VDR transcripts	
	Polymorphism of genes involved in VDR metabolism	
	Polymorphism of VDR promoter and 3' UTR	
Epigenetics	Methylation of VDR promoter and gene body	Modulation of VDR expression and function
	Histone modification of VDR promoter	Modulation of VDR expression
	micro-RNA	Decrease of VDR expression
	Long non-coding RNA	Modulation of VDR expression and protein stability
	HuR RNA-binding protein	Modulation of VDR post-transcriptional regulation