



## OCTACOSANOL EXTRACTION, SYNTHESIS METHOD AND SOURCES: A REVIEW

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**ABSTRACT**

Octacosanol are straight chain aliphatic fatty alcohol which consist of 28-carbon chain, which is basically found in epicuticular region of plant like sugarcane, wheat germ oil, rice bran oil etc. and animal source like krill. Octacosanol is waxy in nature and insoluble in water but sparingly soluble in low molecular weight alkanes, chloroform, ethyl acetate etc. Octacosanol used as a nutritional supplement and functional food. Octacosanol under investigational reported for enhanced stamina endurance, cholesterol lowering effect, Parkinson disease, platelets antiaggregatory properties, amyotrophic lateral sclerosis (ALS, Lou Gehrig's disease), cytoprotective use, and atherosclerosis. Octacosanol extracted and prepared by various methods like Soxhlet extraction, Supercritical fluid extraction and synthetically synthesis.

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