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Lomitapide

National Cancer Institute

Source

National Cancer Institute. *Lomitapide*. NCI Thesaurus. Code C83891.

A small molecule inhibitor of microsomal triglyceride transfer protein (MTP), an enzyme located in the lumen of the endoplasmic reticulum responsible for absorbing dietary lipids and transferring triglycerides onto apolipoprotein B (apo-B) in the assembly of very-low-density lipoprotein. Inhibition of MTP by lomitapide blocks transfer of lipid to apo-B, and as a result emerging apo-B is destroyed and lipoprotein secretion is inhibited.