LKT Laboratories, Inc.

L-Selectin

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Product Information

Product ID S1843
CAS No. 126880-86-2
Chemical Name

Synonym

Formula $C_{62}H_{106}N_{16}O_{18}S_2$
Formula Wt. 1427.74
Melting Point
Purity ≥95%
Solubility

H-Cys-Gln-Lys-Leu-Asp-Lys-Ser-Phe-Ser-Met-Ile-Lys-OH

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
S1843	1 mg	$183.80
S1843	2 mg	$267.80
S1843	5 mg	$519.80

Store Temp -20°C
Ship Temp Ambient
Description L-selectin is an adhesion molecule expressed on cells such as neutrophils that allows those cells to attach to other cells and surfaces via the binding of high endothelial venule (HEV) ligands. Non-steroidal anti-inflammatory drugs (NSAIDs) downregulate expression of L-selectin in a manner dependent upon ROS signaling. Calmodulin and PKC also bind L-selectin, regulating shedding activity.

References

Gaborski TR, Sealander MN, Waugh RE, et al. Dynamics of adhesion molecule domains on neutrophil membranes: surfing the dynamic cell topography. Eur Biophys J. 2013 Dec;42(11-12):851-5. PMID: 24113789.

Domínguez-Luis M, Herrera-García A, Arce-Franco M, et al. Superoxide anion mediates the L-selectin down-regulation induced by non-steroidal anti-inflammatory drugs in human neutrophils. Biochem Pharmacol. 2013 Jan 15;85(2):245-56. PMID: 23142710.

Deng W, Srinivasan S, Zheng X, et al. Interaction of calmodulin with L-selectin at the membrane interface: implication on the regulation of L-selectin shedding. J Mol Biol. 2011 Aug 5;411(1):220-33. PMID: 21664913.

Waddell TK, Fialkow L, Chan CK, et al. Potentiation of the oxidative burst of human neutrophils. A signaling role for L-selectin. J Biol Chem. 1994 Jul 15;269(28):18485-91. PMID: 7518434.