



## Product Information

**Product ID** C6955

**CAS No.** 15826-37-6

**Chemical Name** 5,5'-[(2-Hydroxy-1,3-propanediyl)bis(oxy)]bis[4-oxo-4H-1-benzopyran-2-carboxylic acid] disodium salt

**Synonym** Cromolyn disodium salt, Aarane, Alerion, Allergocrom, Cromovet, Fivent, Inostrat, Introl, Lomudal, Lomuspray, Nasmil, Opticrom, Rynacrom, Sofro, Vividrin

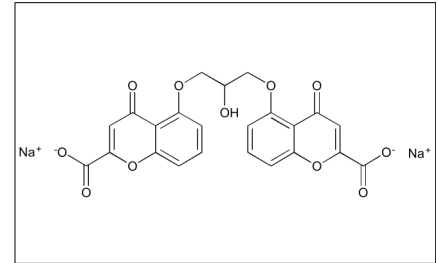
**Formula** C<sub>23</sub>H<sub>14</sub>O<sub>11</sub>Na<sub>2</sub>

**Formula Wt.** 512.3

**Melting Point** 240-242 °C

**Purity** ≥99%

**Solubility** Soluble in water.



**Bulk quantities available upon request**

**Product ID** **Size**

C6955 100 mg

C6955 1 g

C6955 5 g

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Cromolyn sodium is a mast cell stabilizer that prevents mast cell degranulation and histamine release. Cromolyn sodium may also inhibit transient receptor potential (TRP) channels on C fibers and act as an antagonist at Cl<sup>-</sup> channels. Cromolyn sodium activates phosphorylation of PKC and release of annexin A1, exhibiting anti-allergic, anti-asthma, and anti-inflammatory activities. This compound also inhibits release of pro-inflammatory cytokines. In animal models of myocarditis, cromolyn sodium displays cardioprotective benefit, preventing left ventricular remodeling and dysfunction.

**References** Zhang A, Chi X, Luo G, et al. Mast cell stabilization alleviates acute lung injury after orthotopic autologous liver transplantation in rats by downregulating inflammation. PLoS One. 2013 Oct 8;8(10):e75262. PMID: 24116032.

Yazid S, Sinniah A, Solito E, et al. Anti-allergic cromones inhibit histamine and eicosanoid release from activated human and murine mast cells by releasing Annexin A1. PLoS One. 2013;8(3):e58963. PMID: 23527056.

Mina Y, Rinkevich-Shop S, Konen E, et al. Mast cell inhibition attenuates myocardial damage, adverse remodeling, and dysfunction during fulminant myocarditis in the rat. J Cardiovasc Pharmacol Ther. 2013 Mar;18(2):152-61. PMID: 23172937.

Yazid S, Leoni G, Getting SJ, et al. Antiallergic cromones inhibit neutrophil recruitment onto vascular endothelium via annexin-A1 mobilization. Arterioscler Thromb Vasc Biol. 2010 Sep;30(9):1718-24. PMID: 20558817.

Heinke S, Szücs G, Norris A, et al. Inhibition of volume-activated chloride currents in endothelial cells by cromones. Br J Pharmacol. 1995 Aug;115(8):1393-8. PMID: 8564197.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.