

BioHale[®] Trehalose Dihydrate

Because Stability Matters

With BioHale Trehalose Dihydrate we offer the highest purity excipient for the stabilization of biological molecules in biopharmaceutical formulations.

BioHale Trehalose Dihydrate is a disaccharide formed by a 1,1-glycosidic bond between two α -glucose units. It is a non-reducing sugar that is not easily hydrolyzed by acid.

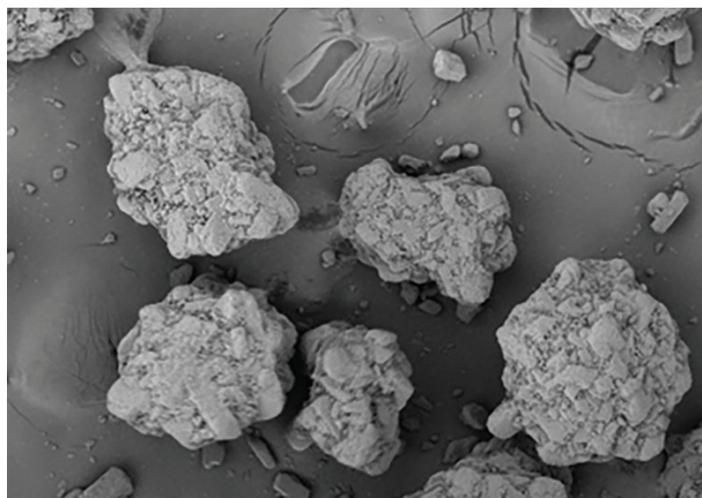
BioHale Trehalose Dihydrate is well suited to provide solution-state stabilization, as well as cryo- and lyo-protection for biomolecules to use in parenteral, inhalation and ophthalmic applications.

Stabilizing agent

BioHale Trehalose Dihydrate is a non-reducing sugar and as such does not facilitate the Maillard reaction. It offers improved compatibility with amino acids and proteins compared with a reducing sugar. BioHale Trehalose provides solution-state stabilization to fragile biomolecules. It is relatively stable under low-pH conditions compared with other disaccharides.

Cryo- and lyoprotectant

BioHale Trehalose Dihydrate can play an important role in protecting your biologic from the freeze and dehydration stresses that occur during lyophilization. Additionally once in the lyophilized form the high glass transition temperature of BioHale Trehalose Dihydrate can help maintain a glassy matrix and prevent re-crystallization.



The combination of the molecular structure and physico-chemical properties of Trehalose Dihydrate provides stability to fragile biomolecules in aqueous solutions and during lyophilization.



