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## Product Data Sheet

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Product Name: Sucralfate (Sucrose octasulfate-aluminum complex)

Cat. No.: GC31777

### Chemical Properties

Cas. No.

Formula

M.Wt

Solubility Water : 0.4 mg/mL (0.20 mM; ultrasonic and adjust pH to 2 with HCl)

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Sucralfate is a basic aluminum sucrose sulfate complex that has gastroprotective activity.<sup>1</sup> It inhibits rat pepsin in a concentration-dependent manner and pepsin activity in isolated human gastric juice. It also inhibits ulcer formation induced by pyloric ligation, indomethacin , or cysteamine in rats. Sucralfate (5,600 mg/animal) is protective against neutral ethanol and acidified taurocholic acid-induced damage in a rat model of hydrochloric acid-induced gastric mucosal damage, increasing the pH and reducing the disappearance of hydrogen ions.<sup>2</sup> Formulations containing sucralfate have been used as antacids in the treatment of duodenal ulcer.

1. Borella, L.E., Seethaler, K., and Lippmann, W. Sucralfate: Antipeptic, antiulcer activities and antagonism of gastric emptying *Arzneimittelforschung* 29(5)793-798(1979)

2. Harrington, S.J., Schlegel, J.F., and Code, C.F. The protective effect of sucralfate on the gastric mucosa of rats *J. Clin. Gastroenterol.* 3(Suppl 2)129-134(1981)

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA