

## Product datasheet

# Polysucrose 400, synthetic sucrose polymer ab146570

1 Image

### Overview

<b>Product name</b>	Polysucrose 400, synthetic sucrose polymer
<b>Description</b>	Nonionic synthetic polymer of sucrose.
<b>Biological description</b>	Synthetic high molecular weight polymer made by the copolymerization of sucrose and epichlorohydrin. The molecules have a branched structure with a high content of hydroxyl groups giving a good solubility in aqueous solutions. Used for the density gradient separation of cells, cell membranes and virus cells. It can also be used to isolate different organelles. Has been used in a study to develop a new method for the purification of human motile spermatozoa.
<b>General notes</b>	Molecular weight: 350000-500000
<b>CAS Number</b>	26873-85-8
<b>Chemical structure</b>	$(C_{12}H_{20}O_{10})_n$

### Properties

<b>Storage instructions</b>	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mg/ml
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>Source</b>	Synthetic

### Images



2D chemical structure image of ab146570, Polysucrose 400, synthetic sucrose polymer

Chemical Structure - Polysucrose 400, synthetic sucrose polymer (ab146570)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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