

**Product Name:** 2-Hydroxypropyl- $\beta$ -cyclodextrin

**Catalog No.:** 0708

**Batch No.:** 14

CAS Number: 128446-35-5

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:**  $(C_6H_9O_5)_7(C_3H_7O)n$

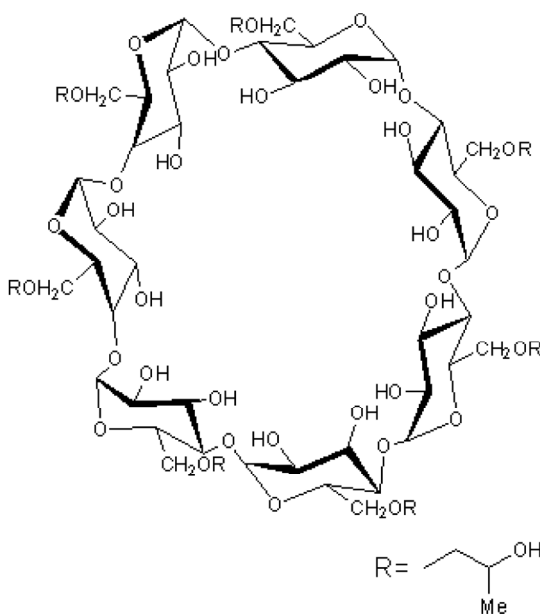
**Batch Molecular Weight:** 1400

**Physical Appearance:** Off White solid

**Solubility:** water to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Catalog No.:** 0708

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**Description:**

The most widely used modified cyclodextrin, the lipophilic cavity formed by 7 glucose units. Drug solubility in water is greatly enhanced by complexing with HBC.

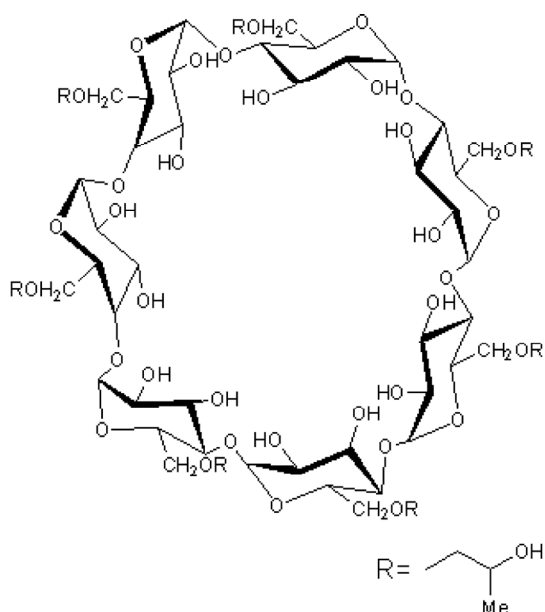
**Physical and Chemical Properties:**

Batch Molecular Formula:  $(C_6H_9O_5)_7(C_3H_7O)$ n

Batch Molecular Weight: 1400

Physical Appearance: Off White solid

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

water to 100 mM

This product has an average molecular weight of 1400

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Frijlink** (1991) The effects of cyclodextrins on the disposition of intravenously injected drugs in the rat. *Pharm.Res.* **8** 380. PMID: 2052529.

**Pitha et al** (1986) Hydroxypropyl- $\beta$ -cyclodextrin: preparation and characterisation; effects on solubility of drugs. *Int.J.Pharmacol.* **29** 73.

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