
Product Data Sheet

Product Name: Octakis-(6-bromo-6-deoxy)- γ -cyclodextrin

Cat. No.: GC69605

Chemical Properties

Cas. No. 53784-84-2

Formula $C_{48}H_{72}Br_8O_{32}$

M.Wt 1800.3

Solubility DMSO : 125 mg/mL (69.43 mM; Need ultrasonic) Storage Store at -20°C

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

Octakis-(6-bromo-6-deoxy)- γ -cyclodextrin is a perbrominated γ -cyclodextrin at the primary side. Octakis-(6-bromo-6-deoxy)- γ -cyclodextrin is also a commonly used intermediate in the modification of cyclodextrin^[1].

Octakis-(6-bromo-6-deoxy)- γ -cyclodextrin is stacked head-to-head along the a-axis forming columns. Octakis-(6-bromo-6-deoxy)- γ -cyclodextrin has a feature that alternates drophobic and drophilic layers are formed in the crystal^[1].

[1]. Anastasia Paulidou, et al. Crystal and molecular structure of octakis(6-bromo-6-deoxy)-gamma-cyclodextrin. A novel stacking of a distorted macrocycle. Carboodr Res. 2007 Aug 13;342(11):1519-24.

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

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