
Product Data Sheet

Product Name: Chitotriose trihydrochloride

Cat. No.: GC60697

Chemical Properties

Cas. No. 117436-78-9

SMILES OC[C@@H](O[C@H]1O[C@H]([C@H](O)CO)[C@H](O)[C@@H](N)C=O)[C@H]([C@@H]([C@H]1N)O)O[C@@H]([C@@H]([C@H]2O)N)O[C@@H]([C@H]2O)CO.Cl.Cl.Cl

Formula C₁₈H₃₈Cl₃N₃O₁₃ M.Wt 610.87

Solubility 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**

Chitotriose trihydrochloride is an orally active chitooligosaccharide with antioxidant activities. Chitotriose trihydrochloride inhibits hydroxylation of benzoate to salicylate by H₂O₂ in the presence of Cu²⁺ (IC₅₀ value of 80 μM)[1].

[1]. An-Shu Chen, et al. Antioxidant activities of chitobiose and chitotriose. Biol Pharm Bull. 2003 Sep;26(9):1326-30.

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

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