
Product Data Sheet

Product Name: Chitotetraose tetrahydrochloride

Cat. No.: GC60696

Chemical Properties

Cas. No. 117399-50-5

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[C@@H]([C@@H]([C@H]3O)N)O[C@@H]([C@H]3O)CO)CO.Cl.Cl.Cl.Cl

Formula C₂₄H₅₀Cl₄N₄O₁₇

M.Wt 808.48

Solubility H₂O : 50 mg/mL (61.84 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**

Chitotetraose tetrahydrochloride is an arbuscular mycorrhizal (AM) fungal short-chain chitin oligomer. Chitotetraose tetrahydrochloride activates the AM fungal-dependent conserved symbiosis signaling pathway (CSSP) in actinorhizal plant species[1].

[1]. Mireille Chabaud, et al. Chitotetraose activates the fungal-dependent endosymbiotic signaling pathway in actinorhizal plant species. PLoS One. 2019 Oct 10;14(10):e0223149.

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
