

Product Data Sheet

Product Name: D-(+)-Melezitose ((+)-Melezitose)

Cat. No.: GC32252

Chemical Properties

Cas. No. 597-12-6

SMILES OC[C@@]1([C@H]([C@H](O)[C@@H](CO)O1)O[C@@]2([H])O[C@@H]([C@@H](O)[C@H](O)[C@H]2O)CO)O[C@H]3O[C@@H]([C@@H](O)[C@H](O)[C@H]3O)CO

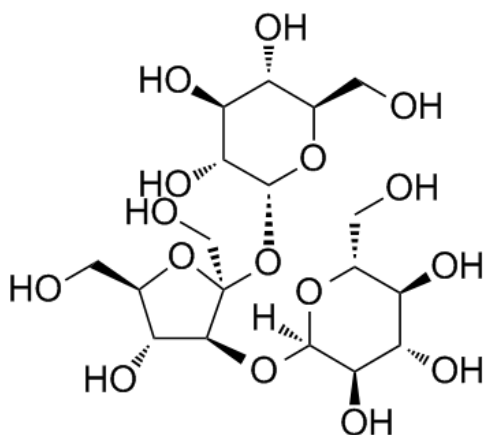
Formula $C_{18}H_{32}O_{16}$ M.Wt 504.44

Solubility Water : ≥ 31 mg/mL (61.45 mM) Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37°C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

D-(+)-Melezitose can be used to identify clinical isolates of indole-positive and indole-negative *Klebsiella* spp.

A total of 102 (84%) of the 122 isolates are negative for indole production, unable to assimilate

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

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histamine and d-melezitose or to grow at 10°C. All of these 102 isolates are identified as possible *K. pneumoniae*/*K. variicola*. Finally, one isolate (1%) is positive for indole production, histamine assimilation, and growth at 10°C and negative for ornithine and d-melezitose. This isolate is identified as possible *R. planticola*[1].

[1]. Alves MS, et al. Identification of clinical isolates of indole-positive and indole-negative *Klebsiella* spp. *J Clin Microbiol.* 2006 Oct;44(10):3640-6.

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