

D-(-)-Quinic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: D-(-)-Quinic acid

Catalog No.: CFN99930

Cas No.: 77-95-2

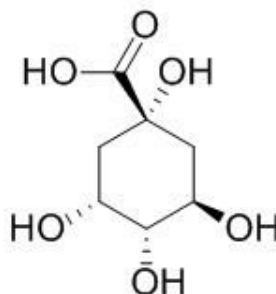
Purity: >=98%

M.F: C₇H₁₂O₆

M.W: 192.17

Physical Description: Powder

Synonyms: Chinasaur;5beta)]-alph;(1R,3R,4R,5R)-(-)-quinic acid;l-Kinic acid.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The fruits of *Citrus limon* (L.) Burm. f.

[Biological Activity or Inhibitors]

Several new stereoisomers of 3,4,6-trihydroxyazepanes and 7-hydroxymethyl-3,4,5-

trihydroxyazepanes as well as known 3,4,5-trihydroxyazepanes were synthesized as potent glycosidase inhibitors from D-(-)-quinic acid in an efficient manner, some of these azepanes possess potent inhibition against alpha-mannosidase and alpha-fucosidase.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Methanol-5 mM H₃PO₄ solution=30:70 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 330 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Shih TL, Yang RY, Li ST, *et al.* *J. Org. Chem.*, 2007, 72(11):4258-61.

[2] Kim T J, Lee T R, Park H K. *J. Korean Chem. Soc.*, 1991, 35(6):720-4.

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