[Product Information]

Name: D(-)-Quinic acid

Catalog No.: CFN99930

Cas No.: 77-95-2

Purity: >=98%

M.F: C$_7$H$_{12}$O$_6$

M.W: 192.17

Physical Description: Powder

Synonyms: Chinasaure;5beta|alpha|(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 H\textsubscript{3}PO\textsubscript{4} solution=30:70 ;
Flow rate: 1.0 ml/min;
Column temperature: 30 ℃;
The wave length of determination: 330 nm.

[ Storage ]
2-8 ℃, Protected from air and light, refrigerate or freeze.

[ References ]

[ Contact ]
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