



MASTERCHEM LIMITED

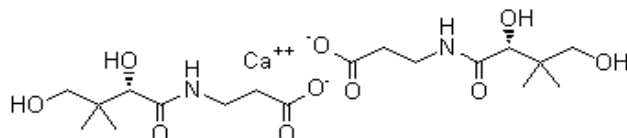
D-Calcium pantothenate (Vitamin B5)

CAS No.: 137-08-6

Molecular Weight: 476.54

Molecular Formula: $C_{18}H_{32}CaN_2O_{10}$

Structural Formula:



Properties:

D-Calcium Pantothenate is white powder, has no smelly odor and tastes a little bitter. D-Calcium Pantothenate has hygroscopic property. The aqueous solution of D-Calcium Pantothenate shows neutrality or slightly alkaline. D-Calcium Pantothenate is easy to dissolve in water, slightly solvable in ethanol, almost can not dissolve in chloroform or aether.

Specification:

Items	Specification
Appearance identification	White powder
A:Infrared Absorption 197K	concordant with the reference spectrum
B;A solution(1 in 20) responds	conform to USP 30
Specific optical rotation	+25.0 °-27.5°
Alkalinity	no pink color is produced within 5 seconds
Loss on drying	not more than 5.0%
Heavy metals	not more than 0.002%
Ordinary impurities	not more than 1.0%
Organic volatile impurities	meet the requirements
Nitrogen content	5.7%-6.0%
Content of calcium	8.2%-8.6%

Usage:

D-Calcium Pantothenate is used as the feed additive, food additive and pharmaceutical USP28/BP2003.

Package and Storage:

D-Calcium Pantothenate is packed in 25kg cartons or drums. Store D-Calcium Pantothenate in cool, dry and well closed place. D-Calcium Pantothenate has 3 years shelf life in original packages under the described conditions

e-Mail: export@chinamasterchem.com

Web Site: www.chinamasterchem.com