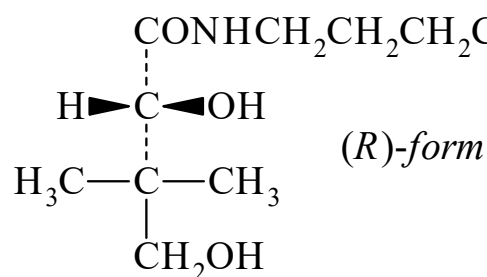




>>Entry Name: **Hopantenic acid**, INN

Synonym(s): 4-[(2,4-Dihydroxy-3,3-dimethyl-1-oxobutyl)amino]butanoic acid, 9CI. 4-(2,4-Dihydroxy-3,3-dimethylbutyramido)butyric acid, 8CI. Homopantothenic acid. HOPA



Related CAS Registry Numbers(s): 49831-65-4

Molecular Formula: C₁₀H₁₉NO₅

Molecular Weight: 233.264

Accurate Mass: 233.126324

Percentage Composition: C 51.49%; H 8.21%; N 6.00%; O 34.29%

Calculated Log P Data: Log P −1.99 (calc)

>>Variant: (*R*)-form

CAS Registry Number: 18679-90-8

Molecular Formula: C₁₀H₁₉NO₅

Molecular Weight: 233.264

Accurate Mass: 233.126324

Percentage Composition: C 51.49%; H 8.21%; N 6.00%; O 34.29%

Use/Importance: Pantothenic acid analogue

Optical Rotation: $[\alpha]_{\text{D}}^{20} +23.8$

>>Derivative: Ca salt

Synonym(s): Calcium homopantothenate. **Calcium hopantenate**, JAN. Hopanal. Hopate. Invirus. Leomin. Metaplas. Neuvamin. Pantogam. Vivant. Many other names

CAS Registry Number: 17097-76-6

Use/Importance: Pantothenic acid antagonist. Used for treatment of mental retardation and cerebrovascular dementia

Melting Point: Mp 155-165°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +24.19$ (c, 2 in H₂O)

Hazard & Toxicity: Use associated with development of acute encephalopathy with hepatic steatosis. Low acute mammalian toxicity

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