
Product Data Sheet

Product Name: Aspartic acid calcium (Calcium L-aspartate)

Cat. No.: GC34051

Chemical Properties

Cas. No. 21059-46-1

SMILES N[C@@H](CC([O-])=O)C([O-])=O.[Ca+2]

Formula $C_4H_5CaNO_4$

M.Wt 171.16

Solubility Water : ≥ 100 mg/mL (584.25 mM)

Storage Store at -20°C

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

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

Structure

Background

Aspartic acid calcium (Calcium L-aspartate) is a chelate where calcium is attached to an amino acid naming L-Aspartic acid. L-Aspartic acid is an amino acid and serves as a building block for proteins in the body.

L-aspartic acid (L-Aspartate) is the L isomer of the aspartic acid, is one of twenty three proteinogenic amino acids. L-aspartic acid is directly incorporated into proteins.

[1]. Mu'azu ND, et al. Polyaspartate extraction of cadmium ions from contaminated soil: Evaluation and optimization using central composite design. J Hazard Mater. 2017 Aug 8;342:58-68.

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

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