



Formula: C₄H₇NO₄

MW: 133.1

CAS: 56-84-8

TNP NUMBER: TNP00616

MDL NUMBER: MFCD00063083

IUPAC: 2-aminobutanedioic acid

Smiles: C(C(=O)O)C(C(=O)O)N

Non-essential amino acid for human development

THERAPEUTIC CATEGORY: Roborant

ACCEPTORS: 4

DONORS: 4

ROTATION BONDS: 5

N+O: 5

Chiral Centers: 1

LogP: -2.13

LogS: -1.4

LIPINSKI: 4

Synonyms: ASP;ASPARTIC(L-);ASPARTIC ACID;ASPARTIC ACID, L-;H-ASP-OH;FEMA 3656;H-L-ASP-OH;L-ALPHA-AMINOSUCCINIC ACID

CAS:56-84-8

MF:C4H7NO4

MW:133.1

EINECS:200-291-6

Product Categories:Food & Feed ADDITIVES;chiral;Aspartic acid [Asp, D];Amino Acids and Derivatives;alpha-Amino Acids;Amino Acids;Biochemistry;for Resolution of Bases;Optical Resolution;Synthetic Organic Chemistry;Nutritional Supplements;L-Amino Acids;Amino Acids;Glutamate receptor;aspartic acid;amino acid;bio-chemical;chemicals;food additive;food additives;food flavor;organic acids;pharmaceutical intermediate;sweetener L-Aspartic acid

Chemical Properties: mp >300 C (dec.)(lit.) alpha 25 (c=8, 6N HCl) FEMA 3656 storage temp. Store at RT. solubility H2O: 5 mg/mL form powder Water Solubility 5 g/L (25 C) Merck 14,840 BRN 1723530 Stability:Stable. Combustible. Incompatible with strong oxidising agents.

CAS DataBase Reference: 56-84-8(

CAS DataBase Reference:) NIST Chemistry ReferenceAspartic acid(56-84-8) EPA Substance Registry SystemL-Aspartic acid(56-84-8) Xi,Xn Risk Statements 36-36/37/38-20/21/22 Safety Statements 26-24/25-22-36 WGK Germany 2 RTECS CI9098500 F 10 HazardClass IRRITANT HS Code 29224995 Hazardous Substances Data56-84-8(Hazardous Substances Data) L-Aminosuccinic acid L-Aspartic acid

Usage And Synthesis:

Chemical Properties: White crystalline powder Biological ActivityEndogenous NMDA receptor agonist. L-Aspartic acid

