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DATASHEET

D-Glutamic acid

Product overview

Name D-Glutamic acid
Cat No HB0243
Biological action Agonist

Description Endogenous NMDA receptor excitatory amino acid

Biological Data

Biological description Endogenous NMDA receptor excitatory amino acid. Less active than L-Glutamic acid.

Solubility & Handling

Solubility overview Soluble in NaOH(aq) (100mM)

Storage instructions Room temperature

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name (R)-1-Aminopropane-1,3-dicarboxylic acid

Molecular Weight 147.13 Chemical structure NH₂

HO₂C_{1.1}

Molecular Formula $C_5H_9NO_4$ CAS Number6893-26-1PubChem identifier23327

 $\begin{array}{lll} \textbf{SMILES} & & & & & \\ \textbf{N[C@@]([H])([C@](O)=O)CCC(O)=O} \\ \textbf{InChiKey} & & & & \\ \textbf{WHUUTDBJXJRKMK-GSVOUGTGSA-N} \\ \end{array}$