D-Cysteine

Cat. No.: HY-W018555
CAS No.: 921-01-7
Molecular Formula: C₃H₇NO₂S
Molecular Weight: 121.16
Target: Endogenous Metabolite; Bacterial
Pathway: Metabolic Enzyme/Protease; Anti-infection
Storage: Powder -20°C 3 years
         4°C 2 years
         In solvent -80°C 6 months
                      -20°C 1 month

**BIOLOGICAL ACTIVITY**

<table>
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<th>Description</th>
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<td>D-Cysteine is the D-isomer of cysteine and a powerful inhibitor of <em>Escherichia coli</em> growth. D-cysteine is mediated by D-amino acid oxidase to produce H₂S and is a neuroprotectant against cerebellar ataxias. D-Cysteine could inhibit the growth and cariogenic virulence of dual-species biofilms formed by <em>S. mutans</em> and <em>S. sanguinis</em></td>
<td>[1][2][3]</td>
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| IC₅₀ & Target | Human Endogenous Metabolite |

**REFERENCES**


Caution: Product has not been fully validated for medical applications. For research use only.
Tel: 609-228-6898       Fax: 609-228-5909       E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA