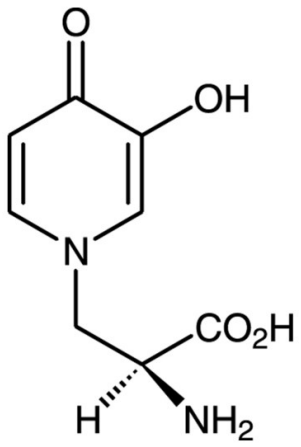
L-Mimosine

Cell cycle blocker

A rare plant amino acid that reversibly blocks the cell cycle at G1-phase. Inhibits the hydroxylation of deoxyhypusine and thus inhibits eukaryote initiation factor 5-A (eIF5-A). Inhibitor of mammalian tyrosinase and dopamine β-hydroxylase. Also chelates iron *via* the kojic acid metal-binding domain. Arrests DNA synthesis by inhibiting deoxyribonucleotide metabolism.

Citations: 5 View Online »

Manuals, SDS & CofA View Online »


O
OH
N
CO2H
H
NH2

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Pink to brown powder.
CAS	500-44-7
Couple Target	Dopamine beta-hydroxylase, eIF, Tyrosinase
Couple Type	Inhibitor
Formula	$C_8H_{10}N_2O_4$
Identity	Determined by 1H-NMR.
MW	198.2
Purity	≥98%
Solubility	Soluble in 10% sodium bicarbonate (15mg/ml)

Last modified: May 29, 2024

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