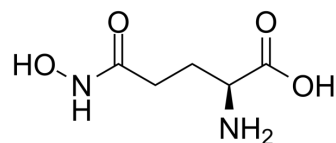


L-Glutamic γ -monohydroxamate

Cat. No.:	HY-137874
CAS No.:	1955-67-5
Molecular Formula:	C ₅ H ₁₀ N ₂ O ₄
Molecular Weight:	162.14
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

L-Glutamic γ -monohydroxamate is an antitumor agent, inhibits cell proliferation. L-Glutamic γ -monohydroxamate selectively inhibits the uptake of L-histidine into microvascular endothelial cell. L-Glutamic γ -monohydroxamate, as a vanadium ligand, activates glucose uptake and metabolism, thus decreases the blood glucose levels in vivo^{[1][2][3]}.

REFERENCES

- [1]. Vila J, et al. In vitro and in vivo anti-tumor activity of L-glutamic acid gamma-monohydroxamate against L1210 leukemia and B16 melanoma. *Int J Cancer*. 1990 Apr 15;45(4):737-43.
- [2]. Sakurai E, et al. Stereoselective transport of histidine in rat lung microvascular endothelial cells. *Am J Physiol Lung Cell Mol Physiol*. 2002 Jun;282(6):L1192-7.
- [3]. Goldwaser I, et al. L-Glutamic acid gamma-monohydroxamate. A potentiator of vanadium-evoked glucose metabolism in vitro and in vivo. *J Biol Chem*. 1999 Sep 10;274(37):26617-24.

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

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