



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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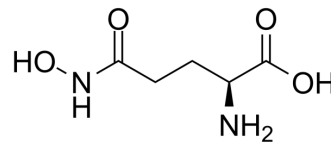
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## L-Glutamic $\gamma$ -monohydroxamate

Cat. No.:	HY-137874		
CAS No.:	1955-67-5		
Molecular Formula:	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub>		
Molecular Weight:	162.14		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

L-Glutamic  $\gamma$ -monohydroxamate is an antitumor agent, inhibits cell proliferation. L-Glutamic  $\gamma$ -monohydroxamate selectively inhibits the uptake of L-histidine into microvascular endothelial cell. L-Glutamic  $\gamma$ -monohydroxamate, as a vanadium ligand, activates glucose uptake and metabolism, thus decreases the blood glucose levels in vivo<sup>[1][2][3]</sup>.

### 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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