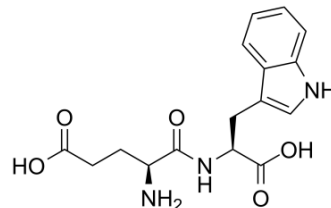


Oglufanide

Cat. No.:	HY-13718		
CAS No.:	38101-59-6		
Molecular Formula:	C ₁₆ H ₁₉ N ₃ O ₅		
Molecular Weight:	333.34		
Target:	VEGFR; HCV; Endogenous Metabolite		
Pathway:	Protein Tyrosine Kinase/RTK; Anti-infection; Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 15.5 mg/mL (46.50 mM; Need ultrasonic and warming)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.9999 mL	14.9997 mL	29.9994 mL
	5 mM	0.6000 mL	2.9999 mL	5.9999 mL
	10 mM	0.3000 mL	1.5000 mL	2.9999 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.50 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.50 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.50 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	Oglufanide (H-Glu-Trp-OH) is a dipeptide immunomodulator isolated from calf thymus. Oglufanide inhibits vascular endothelial growth factor (VEGF). Oglufanide can stimulate the immune response to hepatitic C virus (HCV) and intracellular bacterial infections ^{[1][2]} .
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

- [1]. Bayes M, et al. Gateways to clinical trials. *Methods Find Exp Clin Pharmacol*. 2005 Jul-Aug;27(6):411-61.
- [2]. Nagendra Kumar Kaushik, et al. Biomedical importance of indoles. *Molecules*. 2013 Jun 6;18(6):6620-62.
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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