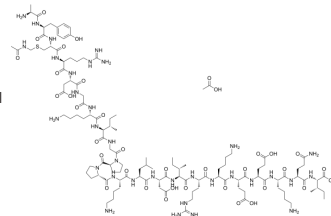


IFN- γ Antagonist 1 acetate

Cat. No.:	HY-P4717A
Molecular Formula:	C ₁₁₇ H ₁₉₈ N ₃₄ O ₃₆ S
Molecular Weight:	2689.1
Sequence:	Ala-Tyr-{Cys(Acm)}-Arg-Asp-Gly-Lys-Ile-Gly-Pro-Pro-Lys-Leu-{ α -Glu} { α -Glu}-Lys-Gln-Ile
Sequence Shortening:	AY-{Cys(Acm)}-RDGKIGPPKL-{ α -Asp}-IRK-{ α -Glu}-{ α -Glu}-KQI
Target:	IFNAR
Pathway:	Immunology/Inflammation
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 33.33 mg/mL (12.39 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.3719 mL	1.8594 mL	3.7187 mL
	5 mM	0.0744 mL	0.3719 mL	0.7437 mL
	10 mM	0.0372 mL	0.1859 mL	0.3719 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

IFN- γ Antagonist 1 (AYCRDGKIGPPKLDIRKEEKQI) acetate is an antagonist of interferon γ (IFN γ). IFN- γ Antagonist 1 inhibits IFN- γ induced HLR/DR antigen expression in Colon 205 cells with an IC₅₀ value of approximately 35 μ M. IFN- γ Antagonist 1 has potential applications in immune regulation^[1].

REFERENCES

[1]. Seelig GF, et al. Development of a receptor peptide antagonist to human gamma-interferon and characterization of its ligand-bound conformation using transferred nuclear Overhauser effect spectroscopy. J Biol Chem. 1995 Apr 21;270(16):9241-9.

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

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