Product Data Sheet

Product Name: WP9QY TFA
Cat. No.: GC72146

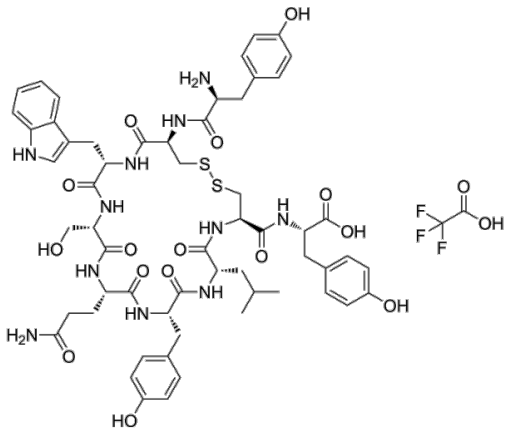
Chemical Properties

Cas. No.

Formula	$C_{60}H_{72}F_3N_{11}O_{17}S_2$	M.Wt	1340.4
Solubility	DMSO : 7.14 mg/mL (5.33 mM; ultrasonic and warming and heat to 60°C; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO); H_2O : < 0.1 mg/mL (insoluble)	Storage	Sealed storage, away from moisture, Powder: -80°C 2 years; -20°C 1 year

General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

WP9QY, TNF-a Antagonist, TNF-a Antagonist is a biological active peptide. (This cyclic peptide is

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designed to mimic the most critical tumor necrosis factor (TNF) recognition loop on TNF receptor I. It prevents interactions of TNF with its receptor. This TNF antagonist is a useful template for the development of small molecular inhibitors to prevent both inflammatory bone destruction and systemic bone loss in rheumatoid arthritis.)

References:

[1]. Lin CC, et al. Functional PEG-peptide hydrogels to modulate local inflammation induced by the pro-inflammatory cytokine TNFalpha. Biomaterials. 2009 Oct;30(28):4907-14.

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

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