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Certificate of Analysis

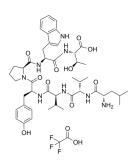
Spinorphin (TFA)

Cat. No.:	HY-P1044A
CAS No.:	2828433-21-0
Batch No.:	261469
Chemical Name:	L-Threonine, L-leucyl-L-valyl-L-valyl-L-tyrosyl-L-prolyl-L-tryptophyl-, 2,2,2-trifluoroacetate (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{47}H_{65}F_3N_8O_{12}$
Molecular Weight:	991.06
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)

Chemical Structure:



ANALYTICAL DATA

Appearance:	
LCMS:	

Purity (LCMS):

Conclusion:

White to off-white (Solid) Consistent with structure 99.69% The product has been tested and complies with the given specifications.

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

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