

Data Sheet

Product Name:	TAT-14	
Cat. No.:	CS-0029415	
CAS No.:	1362661-34-4	
Molecular Formula:	C ₁₃₇ H ₂₃₀ N ₄₈ O ₃₉	
Molecular Weight:	3173.59	YGRKKRRQRRRLQLDEETGEFLPIQ
Target:	Keap1-Nrf2	
Pathway:	NF-κB	
Solubility:	H ₂ O : 100 mg/mL (31.51 mM; Need ultrasonic)	

BIOLOGICAL ACTIVITY:

TAT-14 is a 14-mer peptide that acts as **Nrf2** activator with an anti-inflammatory effect. TAT-14 has no effect on Nrf2 mRNA expression, but increases Nrf2 protein level due to targeting the Nrf2 binding site on Keap1^[1]. IC₅₀ & Target: IC₅₀: Nrf2^[1]

References:

[1]. Richard Steel, et al. Anti-inflammatory Effect of a Cell-Penetrating Peptide Targeting the Nrf2/Keap1 Interaction. ACS Med Chem Lett. 2012 May 10;3(5):407-410.

CAIndexNames:

L-Glutamine, L-tyrosylglycyl-L-arginyl-L-lysyl-L-lysyl-L-arginyl-L-arginyl-L-glutamyl-L-arginyl-L-arginyl-L-arginyl-L-leucyl-L-glutamyl-L-leucyl-L-α-aspartyl-L-α-glutamyl-L-α-glutamyl-L-threonylglycyl-L-α-glutamyl-L-phenylalanyl-L-leucyl-L-prolyl-L-isoleucyl-

SMILES:

[YGRKKRRQRRRLQLDEETGEFLPIQ]

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

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