

Rev03
Update: Feb,10,2022

DATASHEET

TAT

Cat. No.: RP12784

Overview

Description	TaT is a transcriptional transactivator protein that binds to a regulatory element in the HIV-1 long terminal repeat. By recruiting P-TEFb to TAR, TaT promotes transcription of viral mRNA. This arginine-rich TAT peptide penetrates plasma membrane directly, but not through endocytosis. TaT has similar immunosuppressive effects as transforming growth factor-beta (TGF beta) and both inhibit lymphocyte proliferation.
Sequence	{TYR}{GLY}{ARG}{LYS}{LYS}{ARG}{ARG}{GLN}{ARG}{ARG}{ARG}-NH ₂
Sequence Shortening	YGRKKRRQRRR-NH ₂
Molecular Formula	C ₆₄ H ₁₁₉ N ₃₃ O ₁₃
C Terminal	NH ₂
Molecular Weight	1558.85

Properties

Purity	> 95%
Form	Lyophilized
Storage	Store at -20°C. Keep tightly closed. Store in a cool dry place.

Examples

