



Product Data Sheet

Product Name: Tat-C (48-57)
Catalog Number: AS-62063 (1 mg) **Lot Number:** See label on vial
Sequence: H-Cys-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-OH (3-letter code)
CGRKKRRQRRR (1-letter code)
Molecular Weight: 1500.8
% Peak Area by HPLC: ≥ 95
Appearance: Lyophilized white powder

Peptide Reconstitution: Using H₂O, reconstitute by adding 100 µl to 1 mg Tat-C peptide.

Storage: Tat-C peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20°C or lower.

Description: This peptide is amino acids 48 to 57 fragment of TAT with an additional cysteine residue at the N-terminus. This peptide contains the protein transduction domain (PTD) of the HIV Tat protein that inhibits HSV-1 entry. The addition of a cysteine residue to the N-terminus of the Tat-PTD (Tat-C peptide) improves the antiviral activity against HSV-1 and HSV-2. Tat-C acts extracellularly, blocking entry of adsorbed virus immediately without eluting virions. Ref: Bultmann, H. et al. *Antimicrob. Agents Chemother.* **51**, 1596 (2007).

Related Products:

Name	Cat #	Size
Tat (48-57) (GRKKRRQRRR)	AS-62064	1 mg
Cys(Npys)-TAT (47-57) (C(Npys)YGRKKRRQRRR-NH ₂)	AS-61214	1 mg
Cys(Npys)-TAT (47-57), FAM-labeled, Abs/Em=492/518 (C(Npys)YGRKKRRQRRR-K(FAM)-NH ₂)	AS-61213	1 mg
TAT (47-57) GGG-Cys(Npys) (YGRKKRRQRRRGGG-C(Npys)-NH ₂)	AS-61215	1 mg
TAT (47-57) (YGRKKRRQRRR)	AS-60023-1 AS-60023-5	1 mg 5 mg
TAT (47-57), FAM-labeled, Abs/Em=494/521 (FAM-YGRKKRRQRRR)	AS-61210	1 mg
TAT (47-57), TAMRA-labeled, Abs/Em=541/568 (TAMRA-YGRKKRRQRRR)	AS-61211	1 mg

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