

## Analytical Data Sheet

Lot number **1062752**  
not for drug use

Catalog number **H-7512.0005**  
Product number **4066788.0005**  
Product **(Cys<sup>47</sup>) - HIV- 1 tat Protein (47- 57) trifluoroacetate salt**  
H- Cys- Gly- Arg- Lys- Lys- Arg- Arg- Gln- Arg- Arg- Arg- OH trifluoroacetate salt  
Molecular formula **C<sub>58</sub>H<sub>114</sub>N<sub>32</sub>O<sub>13</sub>S**  
Relative molecular mass **1499.82**

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	1499.70
Amino acid analysis	Glx 1.04 (1) Gly 1.11 (1) Cys* 0.11 (1) Lys 2.03 (2) Arg 5.82 (6)  *Partially destroyed during acid hydrolysis
Solubility	soluble in 1% Acetic acid at 1mg/mL
Purity (HPLC)	97.0%
Assay (AAA)	57.3%
Date of manufacture	October 22, 2015

Latest update: November 13, 2015

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