NIH AIDS Reagent Program
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DATA SHEET

Reagent:	T-20 (Enfuvirtide)
Catalog Number:	12732
Lot Number:	315PENFT
Release Category:	A
Provided:	20.0 mg, lyophilized
Empirical Formula:	$C_{204}H_{301}N_{51}O_{64}$
Molecular Weight:	4492 dalton
CAS Num:	159519-65-0
Purity:	>99.0% as determined by RP-HPLC.
Solubility:	T-20 (Enfuvirtide) lyophilized powder is best dissolved in alkaline conditions such as sterile pyrogen free 0.1% NaOH, 1% Na2CO3 or disodium phenyl phosphate at a concentration of 0.1mg/ml-1mg/ml. T-20 (Enfuvirtide) is insoluble in water.
	Supplemental reconstitution procedure.
Description:	T-20 is a small peptide which binds to the HIV gp41 heptad repeat and inhibits the structural changes necessary for virus to fuse with CD4+ cell membrane.
Mechanical Action:	Blocks fusion between viral envelope and target cell membrane.
Special Characteristics:	Sequence: N-acetyl-YTSLIHSLIEESQNQQEKNEQELLELDKWASLWNWF-CONH$_2$

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Recommended Storage:	-20°C. Once reconstituted, keep at 4°C for short term storage and -20°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	DAIDS, NIAID
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: T-20,(Enfuvirtide)."
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