

PRODUCT: Enfuvirtide Acetate**ALTERNATE NAME:** Fuzeon; T20; Pentafuside**CATALOG #:** 2440-1**AMOUNT:** 1 mg**PEPTIDE SEQUENCE:** Ac-Tyr-Thr-Ser-Leu-Ile-His-Ser-Leu-Ile-Glu-Glu-Ser-Gln-Asn-Gln-Gln-Glu-Lys-Asn-Glu-Gln-Glu-Leu-Leu-Glu-Leu-Asp-Lys-Trp-Ala-Ser-Leu-Trp-Asn-Trp-Phe-NH₂. CH₃CO₂H**MOLECULAR FORMULA:** C₂₀₆H₃₀₅N₅₁O₆₆**MOLECULAR WEIGHT:** 4552.62**CAS No.** 914454-00-5**APPEARANCE:** White to off-white solid**Solubility:** H₂O (~100 mg/ml)**PURITY:** ≥98%**STORAGE:** Store at -20°C.**DESCRIPTION:** Enfuvirtide is an antiretroviral drug used in combination therapy for the treatment of HIV-1/AIDS. It binds to the first heptad-repeat (HR1) in the gp41 subunit of the viral envelope glycoprotein and prevents the conformational changes required for the fusion of viral and cellular membranes. It works by disrupting the HIV-1 molecular machinery at the final stage of fusion with the target cell, preventing uninfected cells from becoming infected.**REFERENCES:** Ruof, J., *et al.* (2007). *Clin. Drug Investig.* **27**, 469; Manfredi, R., and Sabbatani, S. (2006). *Curr. Med. Chem.* **13**, 2369.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Acyclovir (Cat. No. 2200-50, 250)

Ganciclovir (Cat. No. 1918-50, 250, 1000)

Lopinavir (Cat. No. 2241-50, 250)

Ribavirin (Cat. No. 2199-10, 50)

Tenofovir disoproxil fumarate (Cat. No. 1920-5, 25)

Valacyclovir hydrochloride hydrate (Cat. No. 2201-10, 50)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**