NIH AIDS Reagent Program
20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	TAK-779
Catalog Number:	4983
Lot Number:	040143
Release Category:	E
Provided:	5 mg. The required concentration of TAK-779 should be prepared by dissolving in water, heated to about 75°C for five minutes, aliquoted, and frozen at -20°C.
Chemical Name:	(N,N-dimethyl-N-(4-[[[2-(4-methylphenyl)-6,7-dihydro-5H-Benzocyclohepten-8-yl]carbon-yl]amino]benzyl)-tetrahydro-2H- Pyran-4-aminium chloride
Molecular Weight:	531.14.
Purity:	96.7% (determined by HPLC)
Mechanical Action:	TAK-799 inhibits HIV-1 replication at the membrane fusion stage by blocking interaction on the viral surface glycoprotein gp120 with chemokine receptor CCR5.
Recommended Storage:	Powder at room temperature.
Contributor:	Division of AIDS, NIAID.
References:	Baba, M. et. al. A small-molecule, nonpeptide CCR5 antagonist with highly potent and selective anti-HIV-1 activity. *PNAS* **96**:5698-5703, 1999. Dragic, T. et. al. A binding pocket for a small molecule inhibitor of HIV-1 entry within the transmembrane helices of CCR5. *PNAS* **97**:5639-5644, 2000.

NOTE:	Distributed with permission of Takeda Chemical Industries, Ltd. Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: TAK-779." Also cite the Baba M. et. al. reference in any publications. **Recipient agrees that the reagent (TAK-779) use is permitted only as a standard for in vitro and/or studies in animals for inhibition of HIV replication.**
Last Updated	February 24, 2014