



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	TAK-779
Catalog Number:	4983
Lot Number:	365-028-4
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:	<p>Baba, M. et. al. A small-molecule, nonpeptide CCR5 antagonist with highly potent and selective anti-HIV-1 activity. <i>PNAS</i> 96:5698-5703, 1999.</p> <p>Dragic, T. et. al. A binding pocket for a small molecule inhibitor of HIV-1 entry within the transmembrane helices of CCR5. <i>PNAS</i> 97:5639-5644, 2000.</p>

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.

NOTE:

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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

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