



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Darunavir (Prezista, TMC 114)
<b>Catalog Number:</b>	11447
<b>Lot Number:</b>	100123
<b>Release Category:</b>	E
<b>Provided:</b>	20 mg
<b>Chemical Name:</b>	[(1S,2R)-3-[[[(4-aminophenyl)sulfonyl](2-methylpropyl)amino]-2-hydroxy-1-(phenylmethyl)propyl]-carbamic acid (3R,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl ester monoethanolate
<b>Empirical Formula:</b>	C <sub>27</sub> H <sub>37</sub> N <sub>3</sub> O <sub>7</sub> S.C <sub>2</sub> H <sub>5</sub> OH
<b>Molecular Weight:</b>	593.73
<b>CAS Num:</b>	206361-99-1
<b>Purity:</b>	99.5% (HPLC)
<b>Solubility:</b>	Approximately 0.15 mg/ml in water at 20°C.
<b>Mechanical Action:</b>	Darunavir, also known as Prezista or TMC 114, is a nonpeptidic protease inhibitor (PI) that inhibits the replication of HIV-1 in infected cells. Darunavir acts by selectively inhibiting the cleavage of HIV-1 encoded Gag-Pol polyproteins in infected cells and preventing the formation of mature virus particles. Darunavir is highly effective against both wild-type and PI-resistant HIV. <b>Warning: Reagent is harmful if inhaled or in contact with skin.</b>

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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.

<b>Special Characteristics:</b>	<p><b>All recipients must complete the TMC114 Addendum prior to receipt of this reagent.</b></p> <p><a href="#">TMC114 Addendum.pdf</a></p>
<b>Recommended Storage:</b>	Room temperature. Once resuspended, working aliquots can be stored at –20°C.
<b>Contributor:</b>	Tibotec Pharmaceuticals
<b>NOTE:</b>	<p>Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Darunavir (Cat# 11447) from Tibotec, Inc."</p> <p><b>This compound is limited to 40 mg per requester per year.</b></p> <p><b>Requesters from commercial institutes should be directed to Dr. Richard Hoetelmans: <a href="mailto:rhoetelm@tibbe.inj.com">rhoetelm@tibbe.inj.com</a>, tel (+) 32 15 461 041, fax (+) 32 15 444 292, Tibotec BVBA, Generaal De Wittelaan L11/B3 Mechelen, Belgium 2800.</b></p> <p><b>Recipient agrees that the reagent (Darunavir) use is permitted only as a standard for in vitro and/or studies in animals for inhibition of HIV replication.</b></p>
<b>Required Form</b>	TMC114%20Form.pdf
<b>Last Updated</b>	July 07, 2014

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