



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Darunavir (Prezista, TMC 114)
Catalog Number:	11447
Lot Number:	06P0268
Release Category:	E
Provided:	20 mg
Chemical Name:	[(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
Empirical Formula:	C ₂₇ H ₃₇ N ₃ O ₇ S.C ₂ H ₅ OH
Molecular Weight:	593.73
CAS Num:	206361-99-1
Purity:	99.5% (HPLC)
Solubility:	Approximately 0.15 mg/ml in water at 20°C.
Mechanical Action:	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. Warning: Reagent is harmful if inhaled or in contact with skin.

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.

Special Characteristics:	All recipients must complete the TMC114 Addendum prior to receipt of this reagent.
Recommended Storage:	Room temperature. Once resuspended, working aliquots can be stored at –20°C.
Contributor:	Tibotec Pharmaceuticals
NOTE:	<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>This compound is limited to 40 mg per requester per year.</p> <p>Requesters from commercial institutes should be directed to Dr. Richard Hoetelmans: rhoetelm@tibbe.inj.com, tel (+) 32 15 461 041, fax (+) 32 15 444 292, Tibotec BVBA, Generaal De Wittelaan L11/B3 Mechelen, Belgium 2800.</p> <p>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.</p>
Required Form	TMC114 Form.pdf
Last Updated	April 17, 2018

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