



NIH AIDS Reagent Program
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DATA SHEET

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| Reagent: | Darunavir (Prezista, TMC 114) |
| Catalog Number: | 11447 |
| Lot Number: | A14JS2686 |
| Release Category: | E |
| Provided: | 20 mg |
| Chemical Name: | Carbamic acid, N-[(1S,2R)-3-[[[4-aminophenyl)sulfonyl]92-methylpropyl)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, (3R,3a5,6aR)-hexahydrofuro[2,3-b]furan-3-yl ester |
| Empirical Formula: | C ₂₇ H ₃₇ N ₃ O ₇ S |
| Molecular Weight: | 547.66 |
| CAS Num: | 635728-49-3 |
| Purity: | 91.9% |
| Solubility: | Approximately 0.16 mg/ml in water |
| Description: | Darunavir is a protease inhibitor. |
| 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.

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| Special Characteristics: | <p>Certificate of Analysis</p> <p>All recipients must complete the TMC114 Addendum prior to receipt of this reagent.</p> <p>Click here for the SDS</p> |
| Recommended Storage: | Room temperature. Once resuspended, working aliquots can be stored at –20°C. |
| Contributor: | Janssen 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>Requesters from commercial institutes should be directed to Dr. Richard Hoetelmans: rhoetelm@tibbe.jnj.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 | November 25, 2019 |

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