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
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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.
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: 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."

This compound is limited to 40 mg per requester per year.

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.

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.

Required Form TMC114 Form.pdf

Last Updated April 17, 2018

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.