

Centre For AIDS Reagents

Data Sheet

NAME:	Darunavir (TMC114)
REPOSITORY REFERENCE:	ARP989
DESCRIPTION:	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.
PRESENTATION:	25 mg
SOLUBILITY:	Approximately 0.15 mg/ml in water at 20°C.
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
MOLECULAR FORMULA:	$C_{27}H_{37}N_3O_7S \cdot C_2H_5OH$
MOLECULAR WEIGHT:	593.73
STORAGE:	Room temperature. Once resuspended, working aliquots can be stored at - 20°C.
SOURCE:	Sequoia Research Products.

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<http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html> in the “Acknowledgements” section.

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be Electronically or as a paper copy)