CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: 21-976

CHEMISTRY REVIEW(S)







Chemistry Review Data Sheet

NDA #21-976

PREZISTATM (darunavir)
Tablets
300 mg

Tibotec, Inc.

CMC Review
Rao V. Kambhampati, Ph.D.
Senior Regulatory Review Scientist
ONDQA, DPA II, Branch IV







Chemistry Review Data Sheet

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1. NDA# 21-976

2. REVIEW #: 1

3. REVIEW DATE: 6/23/2006

4. REVIEWER: Rao V. Kambhampati, Ph.D.

5. PREVIOUS DOCUMENTS: N/A

6. SUBMISSION(S) BEING REVIEWED:

Submission(s) Reviewed	Document Date
Pre-submission RRZ 002	4/Nov/2005
Original N 000	22/Dec/2005
Amendment N 000 BC	27/Feb/2006
Amendment N 000 BL	1/Jun/2006
Amendment N 000 BC	19/Jun/2006
Amendment N 000	21/Jun/2006
Amendment N 000 BL	22/Jun/2006

7. NAME & ADDRESS OF APPLICANT:

Name:	Tibotec, Inc.		
Address:	1020 Stony Hill Road, Ste 300 Yardley, PA 19067		
Representative:	Jenny Z. Lin, Pharm. D. Manager, Regulatory Affairs		
Telephone:	609-730-7516		

8. DRUG PRODUCT NAME/CODE/TYPE:

- a) Proprietary Name: PREZISTA™
- b) Non-Proprietary Name (USAN): darunavir
- c) Code Name/#: TMC 114, TMC 114 ethanolate, TMC 114 monoethanolate, R319064, JNJ-25875382, darunavir ethanolate.
- d) Chem. Type/Submission Priority (ONDQA only):
 - Chem. Type: 1







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- Submission Priority: P
- 9. LEGAL BASIS FOR SUBMISSION: N/A
- 10. PHARMACOL CATEGORY: Antiviral (protease inhibitor)
- 11. DOSAGE FORM: Tablet
- 12. STRENGTH/POTENCY: 300 mg (each tablet contains darunavir ethanolate equivalent to 300 mg of the free form of darunavir)
- 13. ROUTE OF ADMINISTRATION: Oral
- 14. Rx/OTC DISPENSED: X_Rx OTC
- 15. SPOTS (SPECIAL PRODUCTS ON-LINE TRACKING SYSTEM):
 _____SPOTS product Form Completed
 - X Not a SPOTS product
- 16. CHEMICAL NAME, STRUCTURAL FORMULA, MOLECULAR FORMULA, MOLECULAR WEIGHT:

Chemical Name: [(1S,2R)-3-[[(4-aminophenyl)sulfonyl](2-methylpropyl)amino]-2-hydroxy-1-(phenylmethyl)propyl]-carbamic acid <math>(3R,3aS,6aR)-

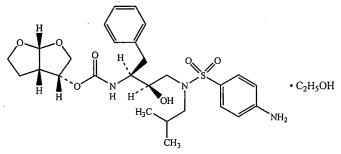
hexahydrofuro[2,3-b]furan-3-yl ester monoethanolate

CAS Reg. No.: N/A (206361-99-1 for free darunavir)

Molecular Formula: C₂₇H₃₇N₃O₇S•C₂H₅OH

Molecular Weight:

Structural Formula:



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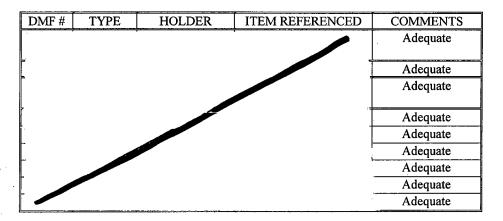




Chemistry Review Data Sheet

17. RELATED/SUPPORTING DOCUMENTS:

A. DMFs:



B. Other Documents:

DOCUMENT	APPLICATION NUMBER	DESCRIPTION
IND	62,477	TMC 114 (darunavir) Tablets

18. STATUS:

CONSULTS/ CMC RELATED REVIEWS	RECOMMENDATION	DATE	REVIEWER
EER	Acceptable	3/29/06	J.D. Ambrogio (HFD-322), DMPQ, OC
Trademark Review	Acceptable	4/7/06	DMETS (HFD-420), ODS
EA	Acceptable (Categorical Exclusion)	6/21/06	Rao Kambhampati, Ph.D.
Biopharm for Dissolution Method including acceptance criteria	Acceptable	6/21/06	Vikram Arya, Ph.D.
Methods Validation	Not necessary	6/21/06	Rao Kambhampati, Ph.D.



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