



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Rilpivirine (TMC278)
Catalog Number:	12147
Lot Number:	A13DC1558
Release Category:	E
Provided:	20 mg
Chemical Name:	4-[[4-[[4-(1E)-2-cyanoethenyl]-2,6-dimethylphenyl]amino]-2-pyrimidinyl]amino]benzotrile
Empirical Formula:	C ₂₂ H ₁₈ N ₆
HPLC Purity:	99.4% (by HPLC)
Molecular Weight:	366.43
CAS Num:	700361-47-3
Solubility:	Rilpivirine is soluble in water at < 0.1gm/L. It is soluble in DMSO.
Mechanical Action:	Rilpivirine, also known as Edurant or TMC278 is a HIV-1 non-nucleoside reverse transcriptase inhibitor (NNRTI). It is a second generation NNRTI with higher potency, longer half-life and reduced side-effect profile as compared with older NNRTIs, such as Efavirenz.
	WARNING: Harmful if swallowed. May be harmful by inhalation.

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 TMC278 Addendum prior to receipt of this reagent.

[TMC278 Addendum](#)

[Click here for the SDS](#)

Recommended Storage: Room temperature (25°C).

Contributor: Tibotec Pharmaceuticals, Inc.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Rilpivirine (Cat # 12147) from Tibotec Pharmaceuticals, Inc."

Requesters from commercial institutions should be directed to Richard Hoetelmans, PhD, Global Head Clinical Pharmacology, Infectious Diseases, Tibotec, Johnson & Johnson, Turnhoutseweg 30, 2340 Beerse, Belgium, tel (+) 32 14 641 478, Email: rhoetelm@tibbe.ini.com.

Recipient agrees that the reagent (Rilpivirine) use is permitted only as a standard for in vitro and/or studies in animals for inhibition of HIV replication.

Required Form TMC278_Form.pdf

Last Updated November 25, 2019

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