

**AUTHENTIC DRUG SUBSTANCE  
Certificate of Analysis**

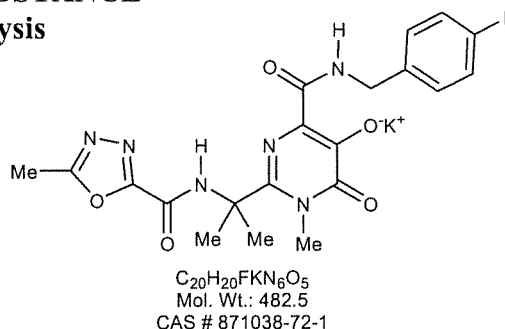
Drug Substance: Raltegravir potassium

Structure:

Starks Lot Number: NG1-44-1

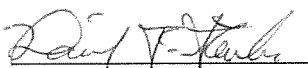
Source: isolated from formulated drug product in May, 2008

Date of this analysis: data presented on this certificate of analysis  
were generated in July, 2008



TEST	RESULT
<b>Description:</b>	
Appearance	White powder
<b>Identification:</b>	
<sup>1</sup> H NMR Spectrum	consistent with literature description (free OH form)
Melting Point	observed: 280-282 °C (d) (uncorrected); literature value 279 °C
<b>Assays:</b>	
Residual Organic Solvents	none observed by <sup>1</sup> H NMR
Total Water and Other Inorganic Substances	0.3 wt.% inferred from total carbon analysis (49.64% carbon calculated for C <sub>20</sub> H <sub>20</sub> FKN <sub>6</sub> O <sub>5</sub> · 0.08 H <sub>2</sub> O; 49.64% carbon found)
Nelfinavir-related Substances	0.5 area % by HPLC; <sup>1</sup> H NMR consistent with HPLC
<b>Overall Estimated Purity:</b>	98.8 ± 0.8 % chemical purity

Caution: this authentic drug substance is not for human use. This sample of authentic drug substance should not be considered as a reference standard of certified assay. Analytical methods described above provide an estimated purity range. Use of this authentic drug substance and estimated purity data is subject to the user's formal agreement with the NIH AIDS Research & Reference Reagent Program.

  
 David F. Starks, Ph.D  
 Starks Associates, Inc.  
 Project Director

Approval Date: 7/14/08

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