



**SYNOPTIC CLINICAL STUDY REPORT**

**RDN 929-103**

**NCT 03963973**

**EudraCT 2019-000831-26**

Study Title:	A two-part, parallel group study to assess the safety, tolerability, and pharmacokinetic profile of multiple oral doses of RDN-929 in healthy older adults and subjects with early symptomatic Alzheimer's disease
Phase of Study:	1
Indication:	Alzheimer's disease
Date of First Subject's First Visit:	Part 1: 16 May 2019 Part 2: 09 Sep 2019
Date of Last Subject's Last Visit:	Part 1: 30 Aug 2019 Part 2: 21 Jan 2020
Date of Study Termination:	22 Jan 2020
Document Date:	21 Dec 2020
Sponsor:	Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc. 852 Winter Street Waltham, MA 02451 USA

This study was conducted in accordance with the ethical principles of Good Clinical Practice (GCP), according to the International Council on Harmonisation (ICH) Harmonised Tripartite Guideline.

**CONFIDENTIAL**

Information and data in this document contain trade secrets and privileged or confidential information that is the property of Alkermes, Inc. No person is authorized to make it public without written permission from Alkermes, Inc.

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	Individual Study Table Referring to Part of the Dossier Volume: Page:	<i>(For National Authority Use Only)</i>
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		
<b>Study Title:</b> A two-part, parallel group study to assess the safety, tolerability, and pharmacokinetic profile of multiple oral doses of RDN-929 in healthy older adults and subjects with early symptomatic Alzheimer's disease		
<b>Investigators and Study Centers:</b> Part 1 of this study was conducted at 1 site in the Netherlands. Part 2 of this study was conducted at 2 sites in the Netherlands; each of these 2 sites had an affiliated site where subjects underwent magnetic resonance imaging (MRI) and positron emission tomography (PET) scans.		
<b>Publications:</b> As of the date of this clinical study report, the data from this study have not been published.		
<b>Study Period:</b> First subject's first visit: Part 1, 16 May 2019; Part 2, 09 Sep 2019 Last subject's last visit: Part 1, 30 Aug 2019; Part 2, 21 Jan 2020	<b>Phase of Development: 1</b>	
<b>Reason for Study Termination:</b> Elevated serum alanine aminotransferase (ALT) and aspartate aminotransferase (AST) were observed in 2 among 20 subjects in Part 1 and in 1 among 7 subjects in Part 2 of the study; all 3 subjects had been administered RDN-929. Given this occurrence in 3 subjects, with similar patterns of serum transaminase elevations and probable relation to the study drug, the decision was made to terminate the study.		
<b>Objectives:</b> <b>Primary:</b> To assess the safety and tolerability of multiple, once-daily oral doses of RDN-929 over 28 days in healthy older adult subjects and subjects with early symptomatic Alzheimer's disease (AD). <b>Secondary:</b> To assess the plasma and cerebrospinal fluid (CSF) pharmacokinetics of RDN-929 in healthy older adult subjects and subjects with early symptomatic AD.		
<b>Criteria for Evaluation:</b> <b>Safety:</b> The primary endpoints were safety parameters, including adverse events (AEs), serious adverse events (SAEs), physical and neurological examination, clinical laboratory values, vital signs, 12-lead electrocardiogram (ECG), and C-SSRS scores. <b>PK:</b> The secondary endpoints were plasma and CSF PK of RDN-929. Population PK analysis was also performed to estimate the PK parameters of $C_{max}$ (maximum observed plasma concentration) and $AUC_{tau}$ (area under the concentration time curve over the dosing interval) for RDN-929.		
<b>Methodology:</b> This was a randomized, double-blind, parallel, 28-day, 4-arm study in healthy older adults (Part 1) and an open-label, single-arm, 28-day study in subjects with early symptomatic AD (Part 2). <div style="background-color: black; color: white; padding: 5px; text-align: center;">5.1.1.c</div>		

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	<b>Individual Study Table Referring to Part of the Dossier</b> Volume: Page:	<i>(For National Authority Use Only)</i>
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		
<p>5.1.1.c [Redacted]</p> <p>5.1.1.c [Redacted]</p> <p>Three dosage levels of RDN-929 were studied in 25 healthy older adult subjects. Subjects received RDN-929 once daily for 28 days. 5.1.1.c [Redacted]</p> <p>5.1.1.c [Redacted]</p> <p>5.1.1.c [Redacted]</p>		
<b>Number of Subjects:</b> <b>Planned:</b> Part 1 planned for 25 healthy older adult subjects. Part 2 planned for up to 20 early symptomatic AD subjects. <b>Actual:</b> 5.1.1.c [Redacted] <b>Analyzed:</b> All 5.1.1.c [Redacted] subjects who were enrolled were analyzed.		
<b>Main Criteria for Subject Inclusion:</b> Healthy adults aged 55 to 85 years were eligible for Part 1, and adults age 50 to 85 years with a diagnosis of AD were eligible for Part 2. Subjects had to have a body mass index (BMI) of $\geq 18.0$ kg/m <sup>2</sup> and $< 35.0$ kg/m <sup>2</sup> , and no evidence of current suicidal ideation or previous history of suicide attempt as evaluated by the Columbia Suicide Severity Rating Scale (C-SSRS).		

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	Individual Study Table Referring to Part of the Dossier Volume: Page:	(For National Authority Use Only)
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		

For Part 2 only, subjects had to be willing to undergo genotyping for ApoE and brain-derived neurotrophic factor (Val66Met polymorphism); had to have a confirmed clinical diagnosis of early symptomatic AD, defined as Stage 3 or 4 (per the National Institute on Aging – Alzheimer’s Association 2018 diagnostic criteria); had to have a mini-mental state examination (MMSE) score of 21-30 (inclusive); had to have a CSF signature of AD defined as a phosphorylated tau (181P) to amyloid-β (1-42) ratio of >0.024 within 6 weeks of the Baseline Visit; and had to have a caregiver or study partner who would be present at clinical visits and would support study drug compliance at home.

**Study Treatment (including dose, mode of administration, and batch numbers):** In Part 1 of the study, [REDACTED] subjects received 25 mg of RDN-929, [REDACTED] subjects received 100 mg of RDN-929, and [REDACTED] subjects received 200 mg RDN-929, orally, once daily, for 28 days. In Part 2 of the study, [REDACTED] subjects received 50 mg RDN-929, orally, once daily for 28 days. Subjects received study drug from lots as shown in the following table:

Drug	Lot Number
RDN-929 25 mg	[REDACTED] 5.1.1.c
RDN-929 50 mg	[REDACTED] 5.1.1.c

**Reference Therapy (including dose, mode of administration, and batch number):** In Part 1, [REDACTED] subjects received matched placebo. Placebo was administered orally once daily for 28 days. Subjects received placebo from lots as shown in the following table:

Drug	Lot Number
Placebo	[REDACTED] 5.1.1.c

In Part 2, no reference therapy was given.

**Duration of Study:** In Part 1, the duration of participation for each subject was expected to be approximately 63 days, which included up to 4 weeks for screening, 28 days of treatment, and 7 days for follow-up.

In Part 2, the duration of participation for each subject was expected to be approximately 77 days, which included up to 6 weeks for screening, 28 days of treatment, and 7 days for follow-up.

**Statistical Methods:**

**Pharmacokinetics and/or Pharmacodynamics:** [REDACTED] 5.1.1.c

**Safety:** All AEs and SAEs were coded [REDACTED] 5.1.1.c

[REDACTED] Adverse events were tabulated by severity and by relationship to study drug. Reasons for death were to be listed. Reasons for premature discontinuation of study drug were listed and summarized by frequency tables.

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	Individual Study Table Referring to Part of the Dossier Volume: Page:	<i>(For National Authority Use Only)</i>
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		

Electrocardiogram parameters, vital sign measurements, and laboratory measurements were summarized at each time point using mean, median, standard deviation, min, max, number of available observations, and change from baseline.

**Sample Size Considerations:** [Redacted] 5.1.1.c [Redacted]  
[Redacted] 5.1.1.c [Redacted]  
[Redacted] 5.1.1.c [Redacted]

**RESULTS SUMMARY**

**Subject Disposition and Baseline Characteristics:** [Redacted] 5.1.1.c [Redacted]  
[Redacted] 5.1.1.c [Redacted]  
[Redacted] 5.1.1.c [Redacted]

[Redacted] 5.1.1.c [Redacted]  
[Redacted] 5.1.1.c [Redacted]

**Important Protocol Deviations:** [Redacted] 5.1.1.c [Redacted]  
[Redacted] 5.1.1.c [Redacted]

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	Individual Study Table Referring to Part of the Dossier Volume: Page:	<i>(For National Authority Use Only)</i>
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		

**PHARMACOKINETICS AND/OR PHARMACODYNAMICS**

Because this study was terminated early by the Sponsor, no pharmacokinetic or pharmacodynamic results are described in this CSR. Links to summary tables and listings for PK and pharmacodynamic outcomes are found in Appendix 14.2 and Appendix 16.2. Links to PK and pharmacodynamic outcome reports are found in Appendix 16.1.12.

**EXPLORATORY**

Because this study was terminated early by the Sponsor, no exploratory results are described in this CSR. Links to summary tables and listings for exploratory outcomes are found in Appendix 14.2 and Appendix 16.2. Links to exploratory outcome reports are found in Appendix 16.1.12.

**SAFETY**

**Extent of Exposure**

Randomization and study drug administration information for each subject in Part 1 and Part 2 is provided in Listing 16.2.5.1.a and Listing 16.2.5.1.b, respectively. Study drug compliance information for each subject in Part 1 and Part 2 is provided in Listing 16.2.5.2.a and Listing 16.2.5.2.b, respectively.

**Adverse Events**

*Part 1*

[Redacted content]

5.1.1.c

[Redacted content]

[Redacted content]

5.1.1.c

[Redacted content]

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	Individual Study Table Referring to Part of the Dossier Volume: Page:	<i>(For National Authority Use Only)</i>
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		

5.1.1.c [Redacted]

- PPD [Redacted]

- PPD [Redacted]

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	Individual Study Table Referring to Part of the Dossier Volume: Page:	<i>(For National Authority Use Only)</i>
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		

PPD [Redacted]

*Part 2*

5.1.1.c [Redacted]

5.1.1.c [Redacted]

**Clinical Laboratory Evaluations**

*Hematology*

5.1.1.c [Redacted]

5.1.1.c [Redacted]

*Chemistry*

5.1.1.c [Redacted]

5.1.1.c [Redacted]

5.1.1.c [Redacted]

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	Individual Study Table Referring to Part of the Dossier Volume: Page:	<i>(For National Authority Use Only)</i>
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		

5.1.1.c [Redacted]

5.1.1.c [Redacted]

*Urinalysis*

5.1.1.c [Redacted]

**ECGs**

5.1.1.c [Redacted]

**C-SSRS Findings**

5.1.1.c [Redacted]

**Vital Signs**

5.1.1.c [Redacted]

**OVERALL CONCLUSIONS**

Given safety concerns surrounding the cases of asymptomatic elevated serum transaminases consistent with drug-induced liver injury observed during the study, resulting in an SAE in 1 subject and in non-serious TEAEs in 2 subjects, the study was terminated. Other than the drug-induced liver injury findings with RDN-929, no other significant safety findings were identified up to a dose of 200 mg in healthy older adults and 50 mg among subjects with early symptomatic AD dementia.

<b>Name of Sponsor/Company:</b> Rodin Therapeutics, Inc., now a subsidiary of Alkermes, Inc.	Individual Study Table Referring to Part of the Dossier Volume: Page:	<i>(For National Authority Use Only)</i>
<b>Name of Finished Product:</b> RDN-929		
<b>Name of Active Ingredient:</b> RDN-929		
<b>Date of Final Report:</b> 21 Dec 2020		

## APPENDICES

### 14. TABLES, FIGURES AND GRAPHS REFERRED TO BUT NOT INCLUDED IN THE TEXT

#### 14.1 Demographic and Baseline Data Summary Figures and Tables

##### 14.1.1 Summary of Subject Disposition

Part 1

Part 2

##### 14.1.2 Summary of Demographics and Baseline Characteristics

14.1.2.a1 Part 1 – Safety Set

14.1.2.a2 Part 1 – Per Protocol Set

14.1.2.b1 Part 2 – Safety Set

14.1.2.b2 Part 2 – Per Protocol Set

##### 14.1.3 Summary of Subject Apolipoprotein E (APOE) Genotyping (Part 2 Only)

14.1.3.a1 Part 2 – Safety Set

14.1.3.a2 Part 2 – Per Protocol Set

##### 14.1.4 Summary of Subject Val66Met Genotyping (Part 2 Only)

14.1.4.a1 Part 2 – Safety Set

14.1.4.a2 Part 2 – Per Protocol Set

#### 14.2. Exploratory

##### 14.2.1 Summary of Mini-Mental State Examination (MMSE) (Observed)

Part 1

Part 2

##### 14.2.2 Summary of Repeat Measurement of MMSE (Part 1 Only) (Repeated Measures Approach)

##### 14.2.3 Summary of Repeat Measurement of MMSE - Treatment Difference (Part 1 Only)

##### 14.2.4 Summary of CSF Diagnostic Biomarkers (Part 2 Only)

##### 14.2.5 Summary of Plasma Concentration by Dose Group by Nominal Time (Part 1)

##### 14.2.6 Summary of Plasma Concentration by Nominal Time (Part 2)

##### 14.2.7 Summary of Cerebral Spinal Fluid Concentration by Dose Group by Nominal Time (Part 1)

##### 14.2.8 Summary of Cerebral Spinal Fluid Concentration by Nominal Time (Part 2)

### **14.3. Safety**

- 14.3.1.1.1 Treatment-Emergent Adverse Events\_1/2
  - 14.3.1.1.1.a1 Part 1 – Safety Set
  - 14.3.1.1.1.a2 Part 1 – Per Protocol Set
  - 14.3.1.1.1.b1 Part 2 – Safety Set
  - 14.3.1.1.1.b2 Part 2 – Per Protocol Set
- 14.3.1.1.2 Treatment-Emergent Adverse Events\_2/2
  - 14.3.1.1.2.a1 Part 1 – Safety Set
  - 14.3.1.1.2.a2 Part 1 – Per Protocol Set
  - 14.3.1.1.2.b1 Part 2 – Safety Set
  - 14.3.1.1.3.b2 Part 2 – Per Protocol Set
- 14.3.1.2 Treatment-Emergent Adverse Events by SOC and PT
  - 14.3.1.2.a1 Part 1 – Safety Set
  - 14.3.1.2.a2 Part 1 – Per Protocol Set
  - 14.3.1.2.b1 Part 2 – Safety Set
  - 14.3.1.2.b2 Part 2 – Per Protocol Set
- 14.3.1.3 Treatment-Emergent Adverse Events by SOC and PT (Preferred Term over 5%)
  - 14.3.1.3.a1 Part 1 – Safety Set
  - 14.3.1.3.a2 Part 1 – Per Protocol Set
  - 14.3.1.3.b1 Part 2 – Safety Set
  - 14.3.1.3.b2 Part 2 – Per Protocol Set
- 14.3.1.4 Treatment-Emergent Adverse Events by SOC, PT and Severity
  - 14.3.1.4.a1 Part 1 – Safety Set
  - 14.3.1.4.a2 Part 1 – Per Protocol Set
  - 14.3.1.4.b1 Part 2 – Safety Set
  - 14.3.1.4.b2 Part 2 – Per Protocol Set
- 14.3.1.5 Treatment-Emergent Adverse Events by SOC, PT and Relationship to Study Drug
  - 14.3.1.5.a1 Part 1 – Safety Set
  - 14.3.1.5.a2 Part 1 – Per Protocol Set
  - 14.3.1.5.b1 Part 2 – Safety Set
  - 14.3.1.5.b2 Part 2 – Per Protocol Set
- 14.3.1.6 Treatment-Emergent Serious Adverse Events by SOC and PT
  - 14.3.1.6.a1 Part 1 – Safety Set

- 14.3.1.6.a2 Part 1 – Per Protocol Set
- 14.3.1.6.b1 Part 2 – Safety Set
- 14.3.1.6.b2 Part 2 – Per Protocol Set
- 14.3.1.7 Treatment-Emergent Serious Adverse Events by SOC, PT and Severity
  - 14.3.1.7.a1 Part 1 – Safety Set
  - 14.3.1.7.a2 Part 1 – Per Protocol Set
  - 14.3.1.7.b1 Part 2 – Safety Set
  - 14.3.1.7.b2 Part 2 – Per Protocol Set
- 14.3.1.8 Treatment-Emergent Serious Adverse Events by SOC, PT and Relationship to Study Drug
  - 14.3.1.8.a1 Part 1 – Safety Set
  - 14.3.1.8.a2 Part 1 – Per Protocol Set
  - 14.3.1.8.b1 Part 2 – Safety Set
  - 14.3.1.8.b2 Part 2 – Per Protocol Set
- 14.3.2.1 Listing of Subjects with Treatment-Emergent AEs Leading to Death
  - 14.3.2.1.a1 Part 1 – Safety Set
  - 14.3.2.1.a2 Part 1 – Per Protocol Set
  - 14.3.2.1.b1 Part 2 – Safety Set
  - 14.3.2.1.b2 Part 2 – Per Protocol Set
- 14.3.2.2 Listing of Subjects with Treatment-Emergent SAEs
  - 14.3.2.2.a1 Part 1 – Safety Set
  - 14.3.2.2.a2 Part 1 – Per Protocol Set
  - 14.3.2.2.b1 Part 2 – Safety Set
  - 14.3.2.2.b2 Part 2 – Per Protocol Set
- 14.3.2.3 Listing of Subjects with Treatment-Emergent AEs Leading to Premature Discontinuation of the Study Drug
  - 14.3.2.3.a1 – Safety Set
  - 14.3.2.3.a2 – Per Protocol Set
  - 14.3.2.3.b1 Part 2 – Safety Set
  - 14.3.2.3.b2 Part 2 – Per Protocol Set
- 14.3.4.1 Abnormal Laboratory Values
  - 14.3.4.1.a1 Part 1 – Safety Set
  - 14.3.4.1.a2 Part 1 – Per Protocol Set

- 14.3.4.1.b1 Part 2 – Safety Set
- 14.3.4.1.b2 Part 2 – Per Protocol Set
- 14.3.4.2 Summary of Clinical Laboratory – Hematology
  - 14.3.4.2.a1 Part 1 – Safety Set
  - 14.3.4.2.a2 Part 1 – Per Protocol Set
  - 14.3.4.2.b1 Part 2 – Safety Set
  - 14.3.4.2.b2 Part 2 – Per Protocol Set
- 14.3.4.3 Summary of Clinical Laboratory – Chemistry
  - 14.3.4.3.a1 Part 1 – Safety Set
  - 14.3.4.3.a2 Part 1 – Per Protocol Set
  - 14.3.4.3.b1 Part 2 – Safety Set
  - 14.3.4.3.b2 Part 2 – Per Protocol Set
- 14.3.4.4 Summary of Clinical Laboratory – Urinalysis
  - 14.3.4.4.a1 Part 1 – Safety Set
  - 14.3.4.4.a2 Part 1 – Per Protocol Set
  - 14.3.4.4.b1 Part 2 – Safety Set
  - 14.3.4.4.b2 Part 2 – Per Protocol Set
- 14.3.4.5 Shift Table of Clinical Laboratory – Hematology
  - 14.3.4.5.a1 Part 1 – Safety Set\_1/2
  - 14.3.4.5.a1 Part 1 – Safety Set\_2/2
  - 14.3.4.5.a2 Part 1 – Per Protocol Set\_1/2
  - 14.3.4.5.a2 Part 1 – Per Protocol Set\_2/2
  - 14.3.4.5.b1 Part 2 – Safety Set
  - 14.3.4.5.b2 Part 2 – Per Protocol Set
- 14.3.4.6 Shift Table of Clinical Laboratory – Chemistry
  - 14.3.4.6.a1 Part 1 – Safety Set\_1/2
  - 14.3.4.6.a1 Part 1 – Safety Set\_2/2
  - 14.3.4.6.a2 Part 1 – Per Protocol Set\_1/2
  - 14.3.4.6.a2 Part 1 – Per Protocol Set\_2/2
  - 14.3.4.6.b1 Part 2 – Safety Set
  - 14.3.4.6.b2 Part 2 – Per Protocol Set
- 14.3.4.7 Shift Table of Clinical Laboratory – Urinalysis
  - 14.3.4.7.a1 Part 1 – Safety Set\_1/2

- 14.3.4.7.a1 Part 1 – Safety Set\_2/2
- 14.3.4.7.a2 Part 1 – Per Protocol Set\_1/2
- 14.3.4.7.a2 Part 1 – Per Protocol Set\_2/2
- 14.3.4.7.b1 Part 2 – Safety Set
- 14.3.4.7.b2 Part 2 – Per Protocol Set
- 14.3.5.1 Summary of 12-Lead Electrocardiogram
  - 14.3.5.1.a1 Part 1 – Safety Set
  - 14.3.5.1.a2 Part 1 – Per Protocol Set
  - 14.3.5.1.b1 Part 2 – Safety Set
  - 14.3.5.1.b2 Part 2 – Per Protocol Set
- 14.3.5.2 Listing of C-SSRS During Treatment
  - 14.3.5.2.a1 Part 1 – Safety Set
  - 14.3.5.2.a2 Part 1 – Per Protocol Set
  - 14.3.5.2.b1 Part 2 – Safety Set
  - 14.3.5.2.b2 Part 2 – Per Protocol Set
- 14.3.5.3 Summary of C-SSRS During Treatment
  - 14.3.5.3.a1 Part 1 – Safety Set
  - 14.3.5.3.a2 Part 1 – Per Protocol Set
  - 14.3.5.3.b1 Part 2 – Safety Set
  - 14.3.5.3.b2 Part 2 – Per Protocol Set
- 14.3.6 Summary of Vital Signs
  - 14.3.6.a1 Part 1 – Safety Set
  - 14.3.6.a2 Part 1 – Per Protocol Set
  - 14.3.6.b1 Part 2 – Safety Set
  - 14.3.6.b2 Part 2 – Per Protocol Set

## 14.4 Narratives

Subject PPD

## **16. APPENDICES**

### **16.1 Study Information**

#### **16.1.1 Protocol and Protocol Amendments**

#### **16.1.2 Sample Case Report Form**

#### **16.1.3 List of Independent Ethics Committee/ Institutional Review Board and Representative Written Information for Subject and Sample Consent Forms**

#### **16.1.4 List and Description of Investigators and Other Important Participants in the Study**

#### **16.1.5 Signatures of National Coordinating Investigator and Sponsor's Responsible Medical Officer**

#### **16.1.6 Listing of Subjects Receiving Investigational Products from Specific Batches**

Not applicable

#### **16.1.7 Randomization Scheme and Codes**

Not applicable

#### **16.1.8 Audit Certificates**

#### **16.1.9 Documentation of Statistical Methods**

SAP

SAP Addendum

#### **16.1.10 Documentation of Inter-Laboratory Standardization Methods and Quality Assurance Procedures if Used**

#### **16.1.11 Publications Based on the Study**

Not applicable

#### **16.1.12 Important Documents/Publications Referenced in the Report**

##### **16.1.12.1 Part 1 Reports**

Interim Safety Report – Part 1

Interim Analysis: Plasma Population PK Modeling and Plasma PK-CSF Exploration

Memo 04: Revised Dose Decision for Part 2

Cogstate Topline Report

Peripheral Blood Mononuclear Cell Report

### **16.1.12.2 Part 2 Reports**

Cogstate Computerized Battery, ISLT

qEEG Report

PET Report

PK Report

### **16.1.12.3 Reports Containing Results From Part 1 and Part 2**

Plasma Population PK Modeling and Plasma PK-CSF Exploration

BR-02206

BR-02205

## **16.2 Subject Data Listings**

### **16.2.1 Subject Disposition and Eligibility**

16.2.1.1 Subject Disposition (Completion Status)

16.2.1.1.a – Part 1

16.2.1.1.b – Part 2

16.2.1.2 Subject Disposition (Date of Visit)

16.2.1.2.a – Part 1

16.2.1.2.b – Part 2

16.2.1.3 Inclusion/ Exclusion Criteria at Screening

16.2.1.3.a – Part 1

16.2.1.3.b – Part 2

16.2.1.4 Re-evaluation of Eligibility at Treatment Period

16.2.1.4.a – Part 1

16.2.1.4.b – Part 2

### **16.2.2 Protocol Deviations**

16.2.2 Protocol Deviation

16.2.2.a – Part 1

16.2.2.b – Part 2

### **16.2.3 Subjects Excluded**

16.2.3 Subjects Excluded from Analysis

16.2.3.a – Part 1

16.2.3.b – Part 2

## **16.2.4 Demographics and Baseline Characteristics**

### 16.2.4.1 Individual Subject Demographics

16.2.4.1.a – Part 1

16.2.4.1.b – Part 2

### 16.2.4.2 Medical History

16.2.4.2.a – Part 1

16.2.4.2.b – Part 2

### 16.2.4.3 Prior Medication

16.2.4.3.a – Part 1

16.2.4.3.b – Part 2

### 16.2.4.4 Concomitant Medication

16.2.4.4.a – Part 1

16.2.4.4.b – Part 2

### 16.2.4.5 Apolipoprotein E (APOE) Genotyping (Part 2 Only)

### 16.2.4.6 Val66Met Genotyping (Part 2 Only)

## **16.2.5 Compliance and/or Drug Concentration**

### 16.2.5.1 Randomization and Study Drug Administration

16.2.5.1.a – Part 1

16.2.5.1.b – Part 2

### 16.2.5.2 Study Drug Compliance

16.2.5.2.a – Part 1

16.2.5.2.b – Part 2

### 16.2.5.3 Individual Concentrations in Pharmacokinetic Blood Sampling Timepoint

16.2.5.3.a – Part 1

16.2.5.3.b – Part 2

### 16.2.5.4 Individual Concentrations in Pharmacokinetic and Pharmacodynamic CSF Sampling Timepoint

16.2.5.4.a – Part 1

16.2.5.4.b – Part 2

### 16.2.5.5 Individual Subject Biomarkers in Pharmacodynamic Blood Sampling Timepoint

16.2.5.5.a – Part 1

16.2.5.5.b – Part 2

16.2.5.6 Individual Subject Peripheral Blood Mononuclear Cells (PBMC) in  
Pharmacodynamic Blood Sampling Timepoint (Part 1 Only)

16.2.5.7 Radioligand Administration (Part 2 Only)

**16.2.7 Safety**

16.2.7 Individual Subject Adverse Events

16.2.7.a – Part 1

16.2.7.b – Part 2

**16.2.8 Laboratory and Other Assessments**

16.2.8.1 Clinical Laboratory Tests – Hematology

16.2.8.1.a – Part 1

16.2.8.1.b – Part 1 (Additional Assessments)

16.2.8.1.c – Part 1 (Comment)

16.2.8.1.d – Part 2

16.2.8.1.e – Part 2 (Additional Assessments)

16.2.8.1.f – Part 2 (Comment)

16.2.8.2 Clinical Laboratory Tests – Chemistry

16.2.8.2.a – Part 1

16.2.8.2.b – Part 1 (Additional Assessments)

16.2.8.2.c – Part 1 (Comment)

16.2.8.2.d – Part 2

16.2.8.2.e – Part 2 (Additional Assessments)

16.2.8.2.f – Part 2 (Comment)

16.2.8.3 Clinical Laboratory Tests – Urinalysis

16.2.8.3.a – Part 1

16.2.8.3.a – Part 2

16.2.8.4 Clinical Laboratory Tests – Microscopic Exam

16.2.8.4.a – Part 1

16.2.8.4.a – Part 2

16.2.8.5 Clinical Laboratory Tests – Coagulation

16.2.8.5.a – Part 1

16.2.8.5.a – Part 2

16.2.8.6 Clinical Laboratory Tests – Serology

- 16.2.8.6.a – Part 1
- 16.2.8.6.a – Part 2
- 16.2.8.7 Clinical Laboratory Tests – Urine Drug Screen
  - 16.2.8.7.a – Part 1
  - 16.2.8.7.b – Part 2
- 16.2.8.8 Clinical Laboratory Tests – Alcohol Breath Test
  - 16.2.8.8.a – Part 1
  - 16.2.8.8.b – Part 2
- 16.2.8.9 Brain MRI (Part 2 Only)
- 16.2.8.10 Individual Subject Vital Signs (Height, Weight, BMI)
  - 16.2.8.10.a – Part 1
  - 16.2.8.10.b – Part 2
- 16.2.8.11 Individual Subject Vital Signs
  - 16.2.8.11.a – Part 1
  - 16.2.8.11.b – Part 2
- 16.2.8.12 Individual Subject 12-Lead Electrocardiogram (ECG)
  - 16.2.8.12.a – Part 1
  - 16.2.8.12.b – Part 2
- 16.2.8.13 Individual Subject Physical Examination
  - 16.2.8.13.a – Part 1
  - 16.2.8.13.b – Part 2
- 16.2.8.14 Individual Subject Neurological Examination
  - 16.2.8.14.a – Part 1
  - 16.2.8.14.b – Part 2
- 16.2.8.15 Individual Subject Columbia-Suicide Severity Rating Scale (C-SSRS) – Suicidal Ideation
  - 16.2.8.15.a – Part 1
  - 16.2.8.15.b – Part 2
- 16.2.8.16 Individual Subject Columbia-Suicide Severity Rating Scale (C-SSRS) – Intensity of Ideation
  - 16.2.8.16.a – Part 1
  - 16.2.8.16.b – Part 2

- 16.2.8.17 Individual Subject Columbia-Suicide Severity Rating Scale (C-SSRS) – Suicidal Behavior
  - 16.2.8.17.a – Part 1
  - 16.2.8.17.b – Part 2
- 16.2.8.18 Individual Subject Columbia-Suicide Severity Rating Scale (C-SSRS) – For Actual Attempts Only
  - 16.2.8.18.a – Part 1
  - 16.2.8.18.b – Part 2
- 16.2.8.19 Individual Subject Cognitive Testing
  - 16.2.8.19.a – Part 1
  - 16.2.8.19.b – Part 2
- 16.2.8.20 Individual Subject Mini-Mental State Examination (MMSE)
  - 16.2.8.20.a – Part 1
  - 16.2.8.20.b – Part 2
- 16.2.8.21 Individual Subject Brain Positron Emission Tomography (PET) Scan (Part 2 Only)
- 16.2.8.22 Individual Subject Quantitative Electroencephalography (qEEG) (Part 2 Only)
- 16.2.8.23 Clinical Laboratory Tests - Additional Hepatic Laboratory Assessments
  - 16.2.8.23.a – Part 1
  - 16.2.8.23.b – Part 1 (*Ad hoc*)
  - 16.2.8.23.c – Part 1 (Comment)
  - 16.2.8.23.d – Part 2
  - 16.2.8.23.e – Part 2 (*Ad hoc*)
  - 16.2.8.23.f – Part 2 (Comment)

### **16.3 Case Report Forms**

#### **16.3.1 Case Report Forms for Deaths, Other Serious Adverse Events, and Withdrawals for Adverse Events**

Subject PPD