Form Approved: OMB No. 0910-0014. DEPARTMENT OF HEALTH AND HUMAN SERVICES Expiration Date: May 31, 2009 FOOD AND DRUG ADMINISTRATION See OMB Statement on Reverse. NOTE: No drug may be shipped or clinical **INVESTIGATIONAL NEW DRUG APPLICATION (IND)** investigation begun until an IND for that (TITLE 21, CODE OF FEDERAL REGULATIONS (CFR) PART 312) investigation is in effect (21 CFR 312.40). 1. NAME OF SPONSOR 2. DATE OF SUBMISSION 3. ADDRESS (Number, Street, City, State and Zip Code) 4. TELEPHONE NUMBER (Include Area Code) 5. NAME(S) OF DRUG (Include all available names: Trade, Generic, Chemical, Code) 6. IND NUMBER (If previously assigned) 7. INDICATION(S) (Covered by this submission) 8. PHASE(S) OF CLINICAL INVESTIGATION TO BE CONDUCTED: PHASE 1 PHASE 2 PHASE 3 OTHER (Specify) 9. LIST NUMBERS OF ALL INVESTIGATIONAL NEW DRUG APPLICATIONS (21 CFR Part 312), NEW DRUG OR ANTIBIOTIC APPLICATIONS (21 CFR Part 314), DRUG MASTER FILES (21 CFR Part 314.420), AND PRODUCT LICENSE APPLICATIONS (21 CFR Part 601) REFERRED TO INTHIS APPLICATION. 10. IND submission should be consecutively numbered. The initial IND should be numbered "Serial number: 0000." The next submission (e.g., amendment, report, or correspondence) should be numbered "Serial Number: 0001." Subsequent submissions should be SERIAL NUMBER numbered consecutively in the order in which they are submitted. 11. THIS SUBMISSION CONTAINS THE FOLLOWING: (Check all that apply) INITIAL INVESTIGATIONAL NEW DRUG APPLICATION (IND) RESPONSE TO CLINICAL HOLD PROTOCOL AMENDMENT(S): INFORMATION AMENDMENT(S): IND SAFETY REPORT(S): NEW PROTOCOL CHEMISTRY/MICROBIOLOGY INITIAL WRITTEN REPORT PHARMACOLOGY/TOXICOLOGY FOLLOW-UP TO A WRITTEN REPORT CHANGE IN PROTOCOL **NEW INVESTIGATOR** CLINICAL RESPONSE TO FDA REQUEST FOR INFORMATION ANNUAL REPORT GENERAL CORRESPONDENCE REQUEST FOR REINSTATEMENT OF IND THAT IS WITHDRAWN, OTHER _ (Specify) INACTIVATED, TERMINATED OR DISCONTINUED **CHECK ONLY IF APPLICABLE** JUSTIFICATION STATEMENT MUST BE SUBMITTED WITH APPLICATION FOR ANY CHECKED BELOW. REFER TO THE CITED CFR SECTION FOR FURTHER INFORMATION. TREATMENT IND 21 CFR 312.35(b) TREATMENT PROTOCOL 21 CFR 312.35(a) CHARGE REQUEST/NOTIFICATION 21 CFR312.7(d) FOR FDA USE ONLY CDR/DBIND/DGD RECEIPT STAMP DDR RECEIPT STAMP DIVISION ASSIGNMENT: IND NUMBER ASSIGNED:

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12. CONTENTS OF APPLICATION		
This application contains the following items: (Check all that apply)		
1. Form FDA 1571 [21 CFR 312.23(a)(1)]		
2. Table of Contents [21 CFR 312.23(a)(2)]		
3. Introductory statement [21 CFR 312.23(a)(3)]		
4. General Investigational plan [21 CFR 312.23(a)(3)]		
5. Investigator's brochure [21 CFR 312.23(a)(5)]		
☐ 6. Protocol(s) [21 CFR 312.23(a)(6)]		
a. Study protocol(s) [21 CFR 312.23(a)(6)]		
b. Investigator data [21 CFR 312.23(a)(6)(iii)(b)] or completed Form(s) FDA 1572		
c. Facilities data [21 CFR 312.23(a)(6)(iii)(b)] or completed Form(s) FDA 1572		
d. Institutional Review Board data [21 CFR 312.23(a)(6)(iii)(b)] or completed Form(s) FDA 1572		
7. Chemistry, manufacturing, and control data [21 CFR 312.23(a)(7)]		
Environmental assessment or claim for exclusion [21 CFR 312.23(a)(7)(iv)(e)]		
8. Pharmacology and toxicology data [21 CFR 312.23(a)(8)]		
9. Previous human experience [21 CFR 312.23(a)(9)]		
10. Additional information [21 CFR 312.23(a)(10)]		
13. IS ANY PART OF THE CLINICAL STUDY TO BE CONDUCTED BY A CONTRA	CT RESEARCH ORGANIZATION? YES	NO
IF YES, WILL ANY SPONSOR OBLIGATIONS BE TRANSFERRED TO THE CONTRACT RESEARCH ORGANIZATION? YES NO		
IF YES, ATTACH A STATEMENT CONTAINING THE NAME AND ADDRESS OF THE CONTRACT RESEARCH ORGANIZATION,		
IDENTIFICATION OF THE CLINICAL STUDY, AND A LISTING OF THE OBLIGATIONS TRANSFERRED.		
14. NAME AND TITLE OF THE PERSON RESPONSIBLE FOR MONITORING THE CONDUCT AND PROGRESS OF THE CLINICAL INVESTIGATIONS		
15. NAME(S) AND TITLE(S) OF THE PERSON(S) RESPONSIBLE FOR REVIEW AND EVALUATION OF INFORMATION RELEVANT TO THE		
SAFETY OF THE DRUG		
I agree not to begin clinical investigations until 30 days after FDA's receipt of the IND unless I receive earlier notification by FDA that the studies may begin. I also agree not to begin or continue clinical investigations covered by the IND if those		
studies are placed on clinical hold. I agree that an Institutional Review Board (IRB) that complies with the requirements set		
fourth in 21 CFR Part 56 will be responsible for initial and continuing review and approval of each of the studies in the		
proposed clinical investigation. I agree to conduct the inverguirements.	estigation in accordance with all other	er applicable regulatory
16. NAME OF SPONSOR OR SPONSOR'S AUTHORIZED	17. SIGNATURE OF SPONSOR OR SPONSOR'	S AUTHORIZED
REPRESENTATIVE	REPRESENTATIVE	
18. ADDRESS (Number, Street, City, State and Zip Code)	19. TELEPHONE NUMBER	20. DATE
		LO. DATE
	(Include Area Code)	20. 5/112
	(Include Area Code)	20. 5/112
	(Include Area Code)	20. 3.112
(WARNING: A willfully false statement is a criminal offense. U.S.C. Title 18, Sec	,	20. 3.112
Public reporting burden for this collection of information is estimated to average 10	1001.) hours per response, including the time for reviewing	g instructions, searching existing
Public reporting burden for this collection of information is estimated to average 10 data sources, gathering and maintaining the data needed, and completing reviewing other aspect of this collection of information, including suggestions for reducing this burden is a suggestion of the collection of	1001.) hours per response, including the time for reviewing the collection of information. Send comments regarden to:	g instructions, searching existing
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