**Supplementary Table S1.** The schedule of visits and assessments conducted from screening to the end of study visit. In addition, participants and their study partners (caregivers) answered questions in an eDiary (electronic Patient Reported Outcome; ePRO) about mood and aggressive outbursts using a web application that was developed for this study.

	Week	SC	BL	2	4	6	8	10	12	F/U
	Visit Window	Day -30 to 0	Day 0	Day 14±5	Day 28±5	Day 42±5	Day 56±5	Day 70±5	Day 84±5	Day 91±5
	Visit	SC	BL	01	Tl	02	03	04	05	T2
Assessment	Dosing (BID)	none	80 mg	12	20 mg		120 or	160mg	60mg	
Review Study Drug Co				X	X	X	X	X	X	
Assessments for Adver			X	X	X	X	X	X	X	X
Assessments for Conco			X	X	X	X	X	X	X	X
	ity Rating Scale (CSSRS)	X	X	X		X	X	X	X	
Unified Huntington Dis (UHDRS)	S	X	X			X			X	
	-Severity of Illness(CGI-S)		X							
Clinical Global Impressi						X			X	
Provide Diary and Instr			X	R	R	R	R	R	R	
Aberrant Behavior Che subscale			X			X			X	
Cohen-Mansfield Aggres			X			X			X	
ProblemBehaviors Assess	sment-short form(PBA-s)		X			X			X	
Irritability Scale			X			X			X	
HD QoL			X			X			X	
Caregiver Burden Ques Participant/StudyPartner/PLF			X			X			X	
	,	X	R						Λ	
Informed Consent (Subject of St. 1	,	X		Da	D.o.	D.o.	D.	D.o.	De	
Informed Consent (Study	,		Ra	Re	Re	Re	Re	Re	Re	
Assign Subject ID/ Uniq		X	-							
Inclusion/Exclusion Crit		X	R							
Screening Demographics	( )	X								
Screening Demographics	. ,	X	Ra	Re	Re	Re	Re	Re	Re	
Medical & Surgical Hist	orv	X	R							
	ontrol with men and women	X	X							
Complete Physical Exan	n, including neurological	X							X	
Height, Weight (wt)		X				X(wt)			X(wt)	
Orthostatic Vital Signs (HR,	BP), and Body Temperature	X	$X^{b}$	X		X	Xb	X	X	
Resting 12-Lead EKG		X	X	X		X	X	X	X	
Safety Labs (Hematology, Ch Drug Spot Check)	nemistry, Urinalysis, Study	X	$X^h$	Xg		Xg	X	X	$X^g$	
Pregnancy Test (females	only)	X(s)	X(u)			X (s)			X(s)	
Urine Drug Screen	• /	X	( )			( )			. /	
Blood Collections for CAC	in Genotyping and storage		X	$R^{f}$		Rf	Rf	Rf	Rf	
Randomization Assignm	71 6		X	10		10	10	1		
Dispense Study drug			X	X		X	X	X		
, ,	Partner about Study Dmg		X	X		X	X	X	Xc	
· ·	, ,		X	Λ		Λ	X	$(X)^d$	Λ	
Administer Study Drug of	או אוני		Λ				Λ	$(\Lambda)^{-}$		

## Supplementary Table S2. Adverse Events by System Organ Class and Treatment Group

Column 1	2	3	4	5	6	7	8	9	10	11	12	13
	120 mg			Group Placebo			160 mg			RR (95% CI)		
		N = 36			N = 36			N = 34			KK (33 /6 CI)	
System Organ Class	# (%) of Subjects	# of Events	Rate	# (%) of Subjects	# of Events	Rate	# (%) of Subjects	# of Events	Rate	Placebo vs 120 mg	Placebo vs 160 mg	120 mg vs 160 mg
Blood							•					
Lymph node pain  Cardiac	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Angina pectoris	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Atrioventricular block	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
first degree												
Bundle branch block left	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Palpitations	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Gastrointestinal												
Abdominal distension	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Abdominal pain	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Abdominal pain lower	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Abdominal pain	1 (2.8%)	1	.009	1 (2.8%)	1	.009	3 (8.8%)	3	.026	1.00 ( 0.07, 15.38)	0.31 ( 0.03, 2.88)	0.31 ( 0.03, 2.88)
upper	0 (0 00()		000	4 (0.00()		000	0 (0 00()		000			
Constipation	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Diarrhoea	1 (2.8%)	1	.009	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	0.94 ( 0.06, 14.51)
Dyspepsia	3 (8.3%)	3	.027	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Gastrooesophageal	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
reflux disease Nausea	3 (8.3%)	4	.036	0 (0.0%)	0	.000	5 (14.7%)	5	.043	N/A	N/A	0.57 ( 0.15, 2.19)
Tongue disorder	3 (6.3%) 1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A N/A	N/A N/A	0.57 ( 0.15, 2.19) N/A
Toothache	0 (0.0%)	0	.009	1 (2.8%)	1	.000	0 (0.0%)	0	.000	N/A N/A	N/A N/A	N/A N/A
Vomiting	1 (2.8%)	1	.000	0 (0.0%)	0	.009	2 (5.9%)	4	.035	N/A N/A	N/A N/A	0.47 ( 0.04, 4.97)
General	1 (2.0%)	'	.009	0 (0.0%)	U	.000	2 (5.9%)	4	.033	IN/A	IN/A	0.47 (0.04, 4.97)
Crying	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	2	.017	N/A	N/A	N/A
Fatigue	2 (5.6%)	2	.000	0 (0.0%)	0	.000	4 (11.8%)	4	.035	N/A N/A	N/A	0.47 ( 0.09, 2.41)
Gait disturbance	0 (0.0%)	0	.000	1 (2.8%)	1	.000	1 (2.9%)	1	.009	N/A N/A	0.94 ( 0.06, 14.51)	0.47 ( 0.09, 2.41) N/A
Influenza like illness	1 (2.8%)	1	.000	0 (0.0%)	0	.009	0 (0.0%)	0	.009	N/A N/A	0.94 ( 0.06, 14.51) N/A	N/A N/A
Pyrexia	0 (0.0%)	0	.009	1 (2.8%)	1	.000	0 (0.0%)	0	.000	N/A N/A	N/A N/A	N/A
Infections	0 (0.076)	U	.000	1 (2.070)	ļ ļ	.009	0 (0.078)	U	.000	IN/A	IN/A	IN/A
Bronchitis	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Conjunctivitis	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Cystitis	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.000	N/A	N/A	N/A
Influenza	0 (0.0%)	0	.000	2 (5.6%)	2	.018	0 (0.0%)	Ö	.000	N/A	N/A	N/A
Nasopharyngitis	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Pharyngitis streptococcal	0 (0.0%)	Ö	.000	1 (2.8%)	1	.009	0 (0.0%)	ő	.000	N/A	N/A	N/A
Pyelonephritis	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Sinusitis	0 (0.0%)	0	.000	1 (2.8%)	1	.009	1 (2.9%)	1	.009	N/A	0.94 ( 0.06, 14.51)	N/A
Staphylococcal skin infection	0 (0.0%)	ő	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Upper respiratory tract infection	1 (2.8%)	1	.009	3 (8.3%)	3	.027	2 (5.9%)	2	.017	0.33 ( 0.04, 3.06)	1.42 ( 0.25, 7.96)	0.47 ( 0.04, 4.97)
Urinary tract infection Injury, Poisoning, and Procedural Comp.	2 (5.6%)	3	.027	1 (2.8%)	2	.018	0 (0.0%)	0	.000	2.00 ( 0.19, 21.09)	N/A	N/A
Ankle fracture	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
	1 (2.8%)	1	.009	0 (0.0%)	Ö	.000	0 (0.0%)	ő	.000	N/A	N/A	N/A
Contusion												

Joint injury	0 (0.0%)	0 I	.000	1 (2.8%)	1	.009	l 0 (0.0%) l	0	.000	l N/A	l N/A l	N/A
Ligament sprain	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A N/A	N/A N/A	N/A N/A
Ŭ ,	` /	-		` '	•		- ( /	-		· ·		
Limb injury	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Muscle strain	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Post concussion	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
syndrome		_						_				
Tooth fracture	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Investigations												
Alanine	0 (0.0%)	0	.000	0 (0.0%)	0	.000	2 (5.9%)	2	.017	N/A	N/A	N/A
aminotransferase												
increased												
Blood bilirubin	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
increased												
Blood creatinine	1 (2.8%)	1	.009	2 (5.6%)	2	.018	0 (0.0%)	0	.000	0.50 ( 0.05, 5.27)	N/A	N/A
increased												
Electrocardiogram	0 (0.0%)	0	.000	1 (2.8%)	1	.009	1 (2.9%)	1	.009	N/A	0.94 ( 0.06, 14.51)	N/A
QT prolonged	` '			, ,			, ,				, , ,	
Electrocardiogram T	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
wave abnormal	. (=:::)	-		- ()			- ()	-				
Electrocardiogram	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
abnormal	- (/	-		,,	•		. (/	-			,	515 5
Eosinophil count	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
increased	0 (0.070)	ŭ	.000	0 (0.070)	· ·	.000	. (2.070)	•	.000	,, .		,, .
Glucose urine	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Glucose urine	0 (0.0%)	ò	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
present	0 (0.070)	O	.000	1 (2.070)	ı	.009	0 (0.070)	U	.000	IN/A	IN/A	IN/A
Hepatic enzyme	3 (8.3%)	3	.027	1 (2.8%)	1	.009	1 (2.9%)	1	.009	3.00 ( 0.33, 27.50)	0.94 ( 0.06, 14.51)	2.83 ( 0.31, 25.94)
increased	3 (0.370)	3	.021	1 (2.070)	'	.009	1 (2.970)	'	.009	3.00 (0.33, 27.30)	0.94 ( 0.00, 14.51)	2.63 (0.31, 23.94)
Platelet count	0 (0.0%)	0	.000	1 (2.8%)	1	.009	1 (2 00/)	1	.009	N/A	0.94 ( 0.06, 14.51)	N/A
decreased	0 (0.0%)	U	.000	1 (2.0%)		.009	1 (2.9%)		.009	IN/A	0.94 (0.06, 14.51)	N/A
	0 (0.0%)	0	.000	0 (0.0%)	0	.000	2 (5 00/)	2	.017	N/A	N/A	N/A
Urine leukocyte	0 (0.0%)	U	.000	0 (0.0%)	U	.000	2 (5.9%)	2	.017	IN/A	N/A	N/A
esterase positive	4 (0.00()		000	4 (0.00()		000	4 (0.00()		000	4 00 ( 0 07 45 00)	0.04 ( 0.00 44.54)	004/000 4454
Weight increased	1 (2.8%)	1	.009	1 (2.8%)	1	.009	1 (2.9%)	1	.009	1.00 ( 0.07, 15.38)	0.94 ( 0.06, 14.51)	0.94 ( 0.06, 14.51)
Metabolic												
Dehydration	1 (2.8%)	1	.009	1 (2.8%)	1	.009	0 (0.0%)	0	.000	1.00 ( 0.07, 15.38)	N/A	N/A
Musculoskeletal												
Arthralgia	1 (2.8%)	1	.009	1 (2.8%)	1	.009	2 (5.9%)	2	.017	1.00 ( 0.07, 15.38)	0.47 (0.04, 4.97)	0.47 (0.04, 4.97)
Back pain	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Costochondritis	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Muscular weakness	1 (2.8%)	1	.009	0 (0.0%)	Ö	.000	0 (0.0%)	Ö	.000	N/A	N/A	N/A
Musculoskeletal	1 (2.8%)	i	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
	1 (2.070)	'	.009	0 (0.078)	U	.000	0 (0.076)	U	.000	IN/A	IN/A	N/A
chest pain	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Neck pain		-						-				
Osteoporosis	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Pain in extremity	0 (0.0%)	0	.000	0 (0.0%)	0	.000	2 (5.9%)	2	.017	N/A	N/A	N/A
Neoplasms							j J					
Renal neoplasm	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Squamous cell	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
carcinoma	•			'			<u> </u>					
Nervous System												
Anosmia	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Chorea	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Dizziness	2 (5.6%)	2	.018	1 (2.8%)	1	.009	1 (2.9%)	1	.009	2.00 ( 0.19, 21.09)	0.94 ( 0.06, 14.51)	1.89 ( 0.18, 19.89)
Dysarthria	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	0.94 ( 0.00, 14.51) N/A	N/A
		3			-							
Headache	3 (8.3%)		.027	1 (2.8%)	1	.009	3 (8.8%)	3	.026	3.00 ( 0.33, 27.50)	0.31 ( 0.03, 2.88)	0.94 ( 0.20, 4.36)
	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Hypersomnia				0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Hypersomnia Lethargy	1 (2.8%)	1	.009	` '			` ,	-		· ·		
Hypersomnia	1 (2.8%) 0 (0.0%)	0	.009	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A

Psychiatric	Í			I	l	Ī	Í	1	Ī		İ	
Abnormal dreams	0 (0.0%)	0	.000	3 (8.3%)	3	.027	0 (0.0%)	0	.000	N/A	N/A	N/A
Aggression	0 (0.0%)	0	.000	1 (2.8%)	1	.009	1 (2.9%)	1	.009	N/A	0.94 ( 0.06, 14.51)	N/A
Agitation	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Anxiety	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Apathy	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Depressed mood	2 (5.6%)	2	.018	0 (0.0%)	Ö	.000	1 (2.9%)	1	.009	N/A	N/A	1.89 ( 0.18, 19.89)
Hallucination.	0 (0.0%)	0	.000	1 (2.8%)	ĭ	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
auditory	0 (0.070)	· ·	.000	1 (2.070)		.000	0 (0.070)		.000	14// (	14/74	13// 1
Hypervigilance	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Indifference	0 (0.0%)	0	.000	0 (0.0%)	Ö	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Insomnia	2 (5.6%)	2	.018	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	1.89 ( 0.18, 19.89)
Intentional self-injury	1 (2.8%)	1	.009	0 (0.0%)	Ö	.000	0 (0.0%)	Ö	.000	N/A	N/A	N/A
Irritability	1 (2.8%)	1	.009	1 (2.8%)	1	.009	1 (2.9%)	1	.009	1.00 ( 0.07, 15.38)	0.94 ( 0.06, 14.51)	0.94 ( 0.06, 14.51)
Psychotic disorder	1 (2.8%)	1	.009	0 (0.0%)	Ö	.000	0 (0.0%)	Ö	.000	N/A	N/A	N/A
Sleep disorder	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Suicidal ideation	1 (2.8%)	1	.009	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	0.94 ( 0.06, 14.51)
Suicidal ideation Suicide attempt	0 (0.0%)	0	.009	0 (0.0%)	0	.000	1 (2.9%)		.009	N/A N/A	N/A N/A	0.94 ( 0.00, 14.51) N/A
Renal	0 (0.0%)	U	.000	0 (0.0%)	U	.000	1 (2.9%)	'	.009	IN/A	IN/A	IN/A
	0 (0.0%)	0	.000	0 (0 0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Dysuria	,	-	.000	0 (0.0%)	1	.000	0 (0.0%)	0	.009	1.00 ( 0.07, 15.38)	N/A N/A	N/A N/A
Proteinuria	1 (2.8%)	1	.009	1 (2.8%)			` ,	0	.000	, , ,	N/A N/A	
Renal cyst	1 (2.8%)	•		0 (0.0%)	0	.000	0 (0.0%)	_		N/A		N/A
Urinary hesitation	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Reproductive	4 (0.00()		000	0 (0 00()		000	0 (0 00()				A1/A	
Dysmenorrhoea	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Respiratory		_										
Asthma	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Cough	2 (5.6%)	2	.018	1 (2.8%)	1	.009	0 (0.0%)	0	.000	2.00 ( 0.19, 21.09)	N/A	N/A
Dry throat	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Dyspnoea	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Nasal congestion	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Oropharyngeal pain	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Rhinitis allergic	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Sleep apnoea	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
syndrome												
Skin												
Dermatitis acneiform	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Hyperhidrosis	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Night sweats	0 (0.0%)	0	.000	1 (2.8%)	1	.009	0 (0.0%)	0	.000	N/A	N/A	N/A
Precancerous skin	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
lesion												
Vascular												
Hot flush	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Hypertension	0 (0.0%)	0	.000	0 (0.0%)	0	.000	1 (2.9%)	1	.009	N/A	N/A	N/A
Hypotension	1 (2.8%)	1	.009	0 (0.0%)	0	.000	0 (0.0%)	0	.000	N/A	N/A	N/A
Total	29 (80.6%)	75	.676	26 (72.2%)	52	.460	30 (88.2%)	73	.635	1.12 ( 0.86, 1.44)	0.82 ( 0.65, 1.04)	0.91 ( 0.75, 1.12)

## Column Definitions:

- Column Definitions:

  1: System Organ Class of AE; bold terms are the System Organ Class of AE 2,5,8: Number and percentage of subjects who have ever had AE 3,6,9: Total number of AEs; includes multiple AEs of same type per subject 4,7,10: Number of AEs per 30 days

  11: Relative Risk (120 mg relative to Placebo) and 95% confidence interval 12: Relative Risk (Placebo relative to 160 mg) and 95% confidence interval 13: Relative Risk (120 mg relative to 160 mg) and 95% confidence interval

Supplementary Figure S1. The power analysis is shown for the placebo single-arm sample size  $(n_P)$  as a function of the difference of the group completer proportions  $(\pi_P - \pi_T)$  and the marginal placebo proportion  $(\pi_P)$ . Paneling is by  $\alpha$ -level, with 80% power. In the left-hand panel, the upper red line shows that conducting two tests each at  $\alpha = .025$  and 80% power requires approximately 36 participants per group for the smallest proposed control proportion  $(\pi_P = .80)$  and the largest proportion difference  $(\pi_P - \pi_T = .20)$ . Therefore, the projected total sample size of  $N = 3n_P = \text{was } 108$ , and a sample size of  $2n_P = 72$  for each comparison (120mg vs placebo, 160mg vs placebo). The right panel shows the n's for conducting two tests at  $\alpha = .05$ .

