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LT3001

Innovative Small Molecule Drug for Treating Acute Ischemic Stroke

Development Progress

Phase 3 Regulatory Consultation with China's CDE and the US FDA Planned for 2025

Phase 3 Patient Enrollment in China Planned for 2026

China Market Launch Targeted for 2030

LT3001 Development Goal - Superior Efficacy, Enhanced Safety - A Novel Stroke Treatment for Broader Patient Populations

Unmet Medical Needs

Therapeutic dilemma for acute ischemic stroke treatments (IV tPA unmet need):

- 1.2~6% Cerebral hemorrhage
- 2. Used in <10% AIS

Global sales of tPA US\$2 billion/yr





LT3001 development goal:

To bring safer, better treatment for more AIS patients

>5x treatment window, without meeting specific imaging criteria

Peak sales US\$6-8 billion

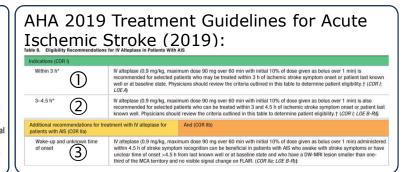
ACTIVASE rt-PA

- IV tPA package insert
- 1 INDICATIONS

ACTIVASE rt-PA (alteplase for injection) is indicated for:



The management of acute ischemic stroke (AIS) in adults for improving neurological recovery
and reducing the incidence of disability. Treatment should only be initiated within 3 hours
after the onset of stroke symptoms, and after exclusion of intracranial hemorrhage by a cranial
computerized tomography (CT) scan or other diagnostic imaging method sensitive for the
presence of hemorrhage. Eligibility criteria of the National Institute of Neurological Disorders
and Stroke (NINDS) protocol must be strictly adhered to (see 2 CONTRAINDICATIONS).

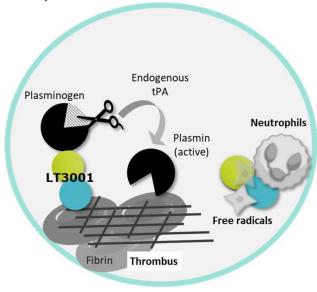


Treatment window	Imaging criteria	Efficacy: complete or Efficacy: Functional near-complete recovery independence mRS=0-1 mRS=0-2		Safety: sICH		
① 0-3 hrs (NINDS, US, 1995)	Routine CT (exclude	tPA (n=168): 39% vs placebo (n=165): 26% (p=0.019)	+13%	NA		tPA: 6.4% placebo: 0.6% (p<0.001)
② 3-4.5 hrs (ECASS 3, EU, 2008)	hemorrhagic stroke)	tPA (n=418): 52% vs placebo (n=403): 45% (p=0.04)	+7%	tPA: 66.5% vs placebo 61.5%	+5%	tPA: 2.4% placebo: 0.2% (p=0.008)
Wake-up Stroke	MRI mismatch	tPA (n=254): 53% vs placebo (n=249): 42% (p=0.02)	+11%	tPA: 74% vs placebo 65%	+9%	tPA: 2.4% placebo: 0.4% (p=0.1)
4.5-9 hrs (Extend, Australian, 2019)	CTP mismatch	tPA (n=113): 35.4% vs placebo (n=112): 29.5% (p=0.04)	+6%	tPA:49.6% vs placebo:42.6%,	+7%	tPA: 6.2% placebo: 0.9% (p=0.053)
4.5-24 hrs LT3001	Routine CT (exclude hemorrhagic stroke)	+ > 6%		+ > 7%		0%

LT3001 Opportunities – Thrombolysis without Bleeding+Neuroprotection – May be administered for several days to improve brain functions continuously

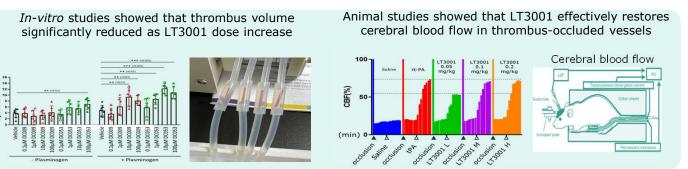
Novel Thrombolytic Mechanism (MoA):

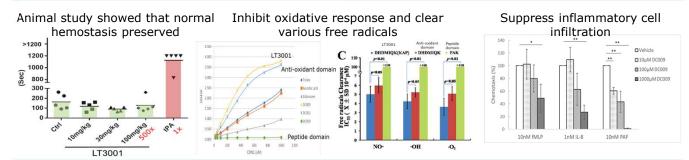
LT3001 binds directly to fibrin clots and plasminogen, concentrating plasminogen at the thrombus site to enhance targeted endogenous fibrinolysis.



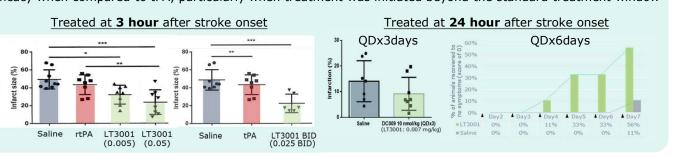
- Invented by Professor Shiqi Peng and Professor Ming Zhao of Capital Medical University, China
- Preclinical study conducted and published by Professor Eng Lo's laboratory at the Neuroprotection Lab at Harvard Medical School

(JMCB. 2016, Translational Stroke Res. 2022)





LT3001 demonstrated dose-dependent reduction in infarct volume and improved neurological outcomes: Superior efficacy when compared to tPA, particularly when treatment was initiated beyond the standard treatment window



LT3001 Research Milestones - Global Collaboration - Molecular Design to Phase 2a

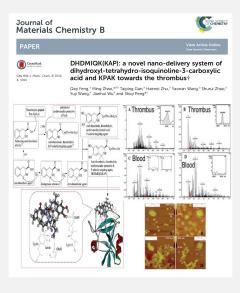
Discovery of LT3001

The endogenous thrombolytic peptide underlying LT3001 was first discovered in the 1980s by Professor Saldeen's team in Sweden and validated for thrombolytic efficacy in canine coronary artery occlusion models.

Effects of Peptide 6A on Coronary Blood Flow Dynamics in Canine Coronary Thrombosis J. L. Mehta, W. W. Nichols, and "T. G. P. Saldeen Department of Medicine. University of Florida Culters of Medicine. the VA Medical Center, Gainesville, Florida. U.S.A., and "University of Uppsala. Uppsala. Species Fig. 5. Hest of Intercoronary peptide 6A administration (5 amounts), and university flow grant personal control of the coronary flow was tofally absent when the Irritation of peptide 6A was discortinued.

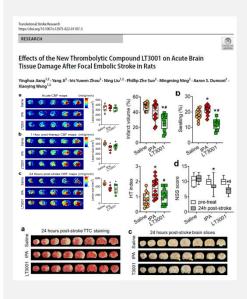
Functional Optimization and Structural Innovation

Professors Peng and Zhao at Capital Medical University, China, engineered the peptide to incorporate free radical scavenging, anti-inflammatory, and thrombustargeting capabilities, formally establishing LT3001 as a drug candidate. Results published in 2016.



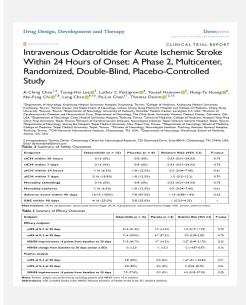
Preclinical Validation

Preclinical studies conducted by Professor Eng Lo's team at Harvard Medical School demonstrated LT3001's superior efficacy compared to tPA, with sustained safety and activity beyond the standard treatment window. Results published in 2022.



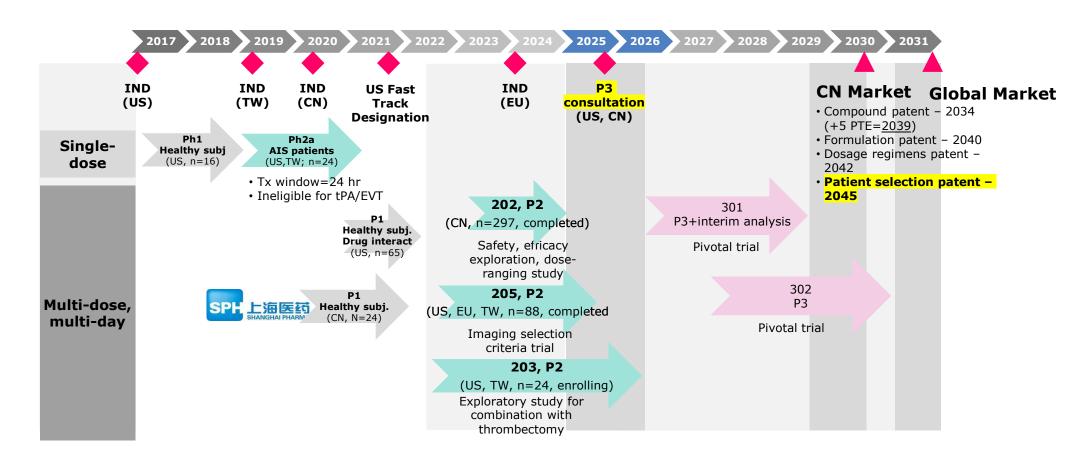
Early Clinical Results

The LT3001-201 trial (Phase 2A, n=24) demonstrated good tolerability with single-dose administration in acute ischemic stroke patients treated within 24 hours of last known normal, with trends toward neurological improvement. Results published in 2024.



LT3001 Clinical Development – Completion of Several Multinational Phase 1 and 2 Trials – Demonstrating Safety and Efficacy

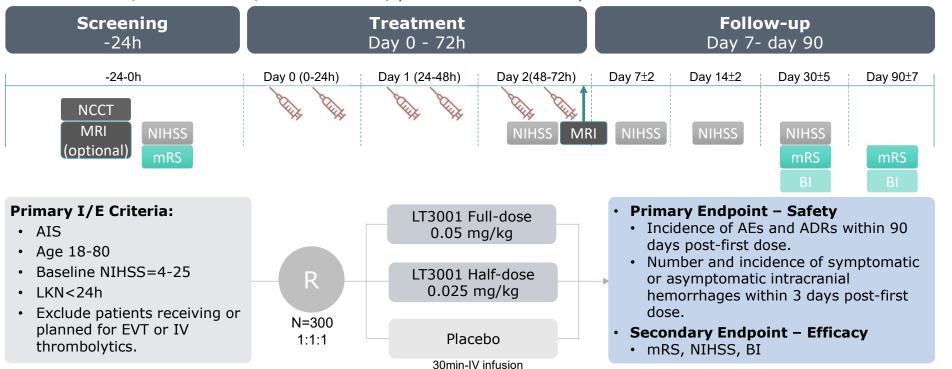
• Treatment Window=Within 24 hours after stroke onset





LT3001-202: Study Design

A multicenter, randomized, double-blind, placebo-controlled phase 2 clinical trial in China



- The sample size of this study had been determined by referring to the sample size of Phase 2 of other drugs for AIS treatment, combined with the new drug clinical development experience of clinical research experts
- Central randomized with stratification factor of ① baseline MRI (Y/N), ②baseline NIHSS of 4~6, 7~10, 11~25

From April 2023 to July 2024, 301 subjects were enrolled across 28 medical centers; 297 were randomized and received study drug.

List of Study Sites and Investigators

Site Name	Investigator
Beijing Tiantan Hospital, Capital Medical University (Leading site)	Yongjun Wang
The First Hospital of Jilin University	Yi Yang
The First Affiliated Hospital of Jinan University (Guangzhou Overseas Chinese Hospital)	Anding Xu
Beijing Tsinghua Changgung Hospital	Jian Wu
Beijing Luhe Hospital, Capital Medical University	Yanling Wang
Daqing Oilfield General Hospital	Jianghua Liu
Beipiao Central Hospital	Yutong Ma
The First Affiliated Hospital of Baotou Medical College, Inner Mongolia University of Science and Technology	Bo Liu
Baogang Hospital of Inner Mongolia	Dong Wang/Hongzhe Bei
People's Hospital of Hengshui (Harrison International Peace Hospital)	Yan Wei
Luoyang Third People's Hospital	Bing Sun
Xi'an Gaoxin Hospital	Yi Jia
Liaocheng People's Hospital	Cunju Guo/Lin Ma
Huai'an Second People's Hospital	Liandong Zhao
The Affiliated Hospital of Xuzhou Medical University	Deqin Geng
The Second Affiliated Hospital of Soochow University	Chunfeng Liu
Shanghai Pudong Hospital	Shuangxing Hou/Yunxia L
Zhongnan Hospital of Wuhan University	Yumin Liu
Zhejiang Hospital	Yaguo Li
Taizhou First People's Hospital	Zhimin Wang
Taizhou Municipal Hospital	Hao Xu
Pingxiang People's Hospital	Fei Yi
Xianyang Hospital of Yan'an University	Lei Lei
Linfen Central Hospital	Hongguo Dai
Linfen People's Hospital	Junfang Hao
Central People's Hospital of Zhanjiang	Hui Mai
Nanshi Hospital of Nanyang	Bin Liu
The Third Hospital of Mianyang	Diwen Zhang

A total of 28 study sites participated in this study and had subjects enrolled.



LT3001-202: Baseline Demographic

• LT3001-202 enrolled 297 AIS patients (median age 63, ~70% male) with median baseline NIHSS 8. The majority were treated >12 h from onset (Q1-Q3 ~11-20 h, up to 24 h). ~55% were moderate strokes and ~55-60% LAA etiology, balanced across groups.

		0.05 mg/kg	0.025 mg/kg	Placebo
N		99	96	102
Distribution	Yrs, median (Q1, Q3) Yrs, mean (SD)	65 (59,73) 63.6 (10.6)	64 (56,70) 62.5 (10.0)	63 (56,72) 62.8 (10.2)
Age	Male%	<mark>70.7%</mark>	<mark>68.8%</mark>	<mark>71.6%</mark>
Gender	Kg, median (Q1, Q3) Kg, mean (SD)	68 (60,75) 68.47 (10.30)	70 (60,79) 68.87 (11.64)	70 (60,75) 68.51 (11.63)
Weight	h, median (Q1, Q3) h, mean (SD)	12.44 (11.07, 16.42) 13.83 (4.29)	11.81 (10.59, 19.80) 14.41 (5.39)	12.15 (10.77, 20.02) 14.74 (5.31)
Time from symptom onset to first dose	median (Q1, Q3) (Min, Max) mean (SD)	<mark>8 (6, 10) (4, 15)</mark> 8.4 (2.5)	<mark>8 (7, 10) (4, 16)</mark> 8.5 (2.5)	<mark>8 (6, 10) (4, 17)</mark> 8.4 (2.8)
Baseline NIHSS score	N (%)	25 (25.3%)	20 (20.8%)	27 (26.5%)
4~6	N (%)	<mark>56 (56.6%)</mark>	<mark>55 (57.3%)</mark>	<mark>55 (53.9%)</mark>
7~10	N (%)	18 (18.2%)	21 (21.9%)	20 (19.6%)
11~25				
Stroke classification	N (%)	<mark>52 (53.1%)</mark>	<mark>56 (58.3%)</mark>	<mark>61 (59.8%)</mark>
Large artery atherosclerosis (LAA)	N (%)	1 (1%)	2 (2.1%)	2 (2%)
Cardiac source of embolism	N (%)	44 (44.9%)	38 (39.6%)	38 (37.3%)
Small artery occlusion (SAO)	N (%)	0	0	0
Others	N (%)	1 (1%)	0	1 (1%)

LT3001-202 Safety Result: No Increased Risk of sICH

Primary Endpoint :

- LT3001 was well tolerated across all dose groups.
- The incidence of adverse events (AEs) and adverse drug reactions (ADRs) within 90 days after first dosing was similar among the high-dose LT3001, low-dose LT3001, and placebo groups, with most events being mild.
- No symptomatic intracranial hemorrhage occurred in any group within 3 days after first dosing.
- Three cases of asymptomatic intracranial hemorrhage were reported all in the placebo group.

Proportion of Subjects with Asymptomatic Intracranial Hemorrhage (ICH)
Within 3 Days After First Dose

		0.05 mg/kg	0.025 mg/kg	Placebo
N		99	96	102
Asymptomatic ICH	N (%)	0	0	3 (2.9%)
HI Type 1	N (%)	0	0	1 (1%)
HI Type 2	N (%)	0	0	2 (2%)
PH Type 1	N (%)	0	0	0
PH Type 2	N (%)	0	0	0

LT3001-202 Efficacy: mRS=0-1, mRS=0-2, NIHSS outcome

- 1. Favorable indicators were observed in mRS0-1, mRS0-2, and NIHSS results.
- 2. An 7.3% enhancement in mRS0-2 was detected in all study population.
- 3. Early improvement in NIHSS scores, signaling reperfusion, has been consistently observed.

		LT3001 0.05 mg/kg	LT3001 0.025 mg/kg	Placebo	0.05 - Placebo	0.025 - Placebo
	n	99	96	102		
	mRS 0-1, d90	67.7%	69.8%	66.7%	1.1%	<mark>5.3%</mark>
All	mRS 0-2, d90	85.9%	80.2%	78.4%	7.3% ¹	3.4%
	NIHSS Improvement*	71.7%	71.9%	65.7%	5.3%	<mark>5.6%</mark>

 $^{{}^{1}}RR = 1.1 (95\% CI: 1.0, 1.2)$ marginal statistical difference.

^{*}NIHSS reduced ≥4 points and/or achieved ≤1 on d14 in patients had completed d14 assessment.

LT3001-202 Efficacy: Stroke Severity Subgroups

- 1. Moderate strokes (NIHSS 7–10) were well represented (≥50 participants per group) and showed consistent efficacy, with a +9% improvement in 90-day mRS across both dose levels.
- 2. The 0.05 mg/kg dose demonstrated greater therapeutic potential than 0.025 mg/kg in patients with moderate-to-severe strokes (NIHSS 11–25).

		LT3001 0.05 mg/kg	LT3001 0.025 mg/kg	Placebo	0.05 - Placebo	0.025 - Placebo
	n	25	20	27		
Mild Stroke Baseline NIHSS 4~6	mRS 0-1, d90	88.0%	90.0%	88.9%	-0.9%	1.1%
Baseline William 1 0	mRS 0-2, d90	96.0%	90.0%	96.3%	-0.3%	-6.3%
Moderate Stroke	n	56	55	55		
Baseline NIHSS	mRS 0-1, d90	69.6%	76.4%	67.3%	2.4%	<mark>9.1%</mark>
7~10	mRS 0-2, d90	87.5%	87.3%	78.2%	9.3% ¹	9.1% ²
Moderate-severe Stroke Baseline NIHSS 11~25	n	18	21	20		
	mRS 0-1, d90	38.9%	38.1%	35.0%	3.9%	3.1%
	mRS 0-2, d90	66.7%	42.9%	55.0%	11.7%	-12.1%

¹RR = 1.1 (95% CI: 1.0, 1.4) ²RR = 1.2 (95% CI: 1.0, 1.4)

LT3001-202 Efficacy: TOAST Subgroups

• LT3001 shows potential for a better treatment effect in AIS patients with large artery atherosclerosis (LAA) compared to small artery occlusion (SAO) based on their TOAST classification upon hospital presentation.

		LT3001 0.05 mg/kg	LT3001 0.025 mg/kg	Placebo	0.05 mg/kg - Placebo	0.025 mg/kg - Placebo	Combined - Placebo
	n	52	56	61			
Large artery atheroscis	mRS 0-1, d90	61.5%	66.1%	57.4%	4.1%	8.7%	+6.5%
(LAA)	mRS 0-2, d90	75.0%	76.8%	65.6%	<mark>9.4%</mark>	11.2%	+10.4%
Green III and annual	N	44	38	38			
Small artery occlusion (SAO)	mRS 0-1, d90	70.5%	71.1%	76.3%	-5.9%	-5.3%	-5.6%
	mRS 0-2, d90	86.4%	78.9%	92.1%	-5.7%	-13.2%	-9.2%

^{*}post-hoc analysis was performed by non-imputation dataset.

LT3001-202 Efficacy: Disabling Stroke Subgroups

• LT3001 shows potential for a better treatment effect in AIS patients with disabling stroke, such as arm motor drift, and leg motor drift, based on their baseline NIHSS deficits upon hospital presentation.

		LT3001 0.05 mg/kg	LT3001 0.025 mg/kg	Placebo	0.05 mg/kg - Placebo	0.025 mg/kg - Placebo	Combined - Placebo
Arm motor drift	n	30	30	31			
Baseline NIHSS	mRS 0-1, d90	36.7%	53.3%	29%	7.7%	24.3%	+16.0%
#5>2	mRS 0-2, d90	63.3%	63.3%	41.9%	21.4%	21.4%	+21.4%
Leg motor drift	n	38	35	37			
Baseline NIHSS	mRS 0-1, d90	47.4%	57.1%	43.2%	4.2%	13.9%	+8.8%
#6>2	mRS 0-2, d90	71.1%	68.6%	56.8%	14.3%	11.8%	<mark>+13.1%</mark>
Arm or leg	n	43	36	40			
motor drift	mRS 0-1, d90	46.5%	55.6%	42.5%	4.0%	13.1%	+8.1%
Baseline NIHSS #5>2 or #6>2	mRS 0-2, d90	69.8%	66.7%	55%	14.9%	11.7%	+13.4%
Aphasia	n	51	41	45			
Baseline NIHSS	mRS 0-1, d90	62.7%	68.3%	55.6%	7.1%	12.7%	+9.7%
#9≥1	mRS 0-2, d90	78.4%	75.6%	62.2%	16.2%	13.4%	+15.0%

^{*}post-hoc analysis was performed by non-imputation dataset.

Key Takeaways from the LT3001-202 Study

- 1. Primary safety outcomes: LT3001's six-dose, three-day regimen showed no increased bleeding risk in ~200 patients, meeting the primary endpoint.
- 2. Secondary efficacy outcomes:
 - 1) Moderate strokes (NIHSS 7–10) showed +9% 90-day mRS improvement across both doses. The high dose showed greater potential in moderate-to-severe strokes (NIHSS 11–25).
 - 2) In **disabling subgroups—motor drift, aphasia, and LAA**—LT3001 demonstrated additional gains of **+8–15% at day 90 mRS**, highlighting its potential to improve recovery in patients with greater neurological deficits.
- **3. Extends treatment to 24 hours without advanced imaging**; however, findings are based on small sample sizes phase 2 study and require confirmation in larger trials.

LT3001 Phase 2b Program

	LT3001-202 (completed)	LT3001-205 (early termination)		
Number of centers activated	34 Centers CN	21 Centers US, TW, EU (ES, DE, IT, CZ, PT, GR, UK)		
Target disease	Acute ischemic stroke	Acute ischemic stroke		
Treatment window	Within 24 hrs of stroke symptoms	Within 24 hrs of stroke symptoms		
Enrollment / target number	297 / 300	88 / 200 (44%, early termination)		
Trial protocol	Double-blind, randomized, placebo-controlled	Double-blind, randomized, placebo-controlled		
Dosing regimen	Twice daily for three consecutive days (total 6 doses)	Twice daily for three consecutive days (total 6 doses)		
Study objectives	 Multiple-dose safety (sICH) Clinical symptom treatment effect analysis Dose comparison (0.05, 0.025 mg/kg) 	 Multiple-dose safety (sICH) Imaging-based selection (mismatch) for identifying treatment responders 		

LT3001-205

• Patients number: 88

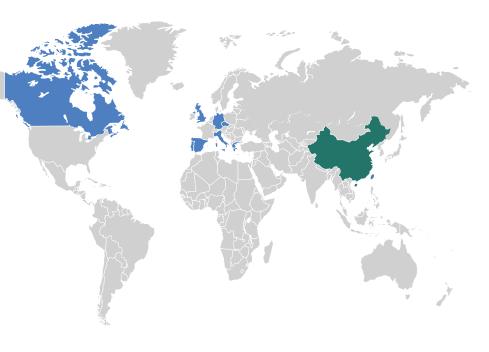
Sites activated: 21 centers in the
 US, EU, UK and Taiwan

LT3001-202

• Patients number: 297

• Sites activated: 34 centers

in **China**



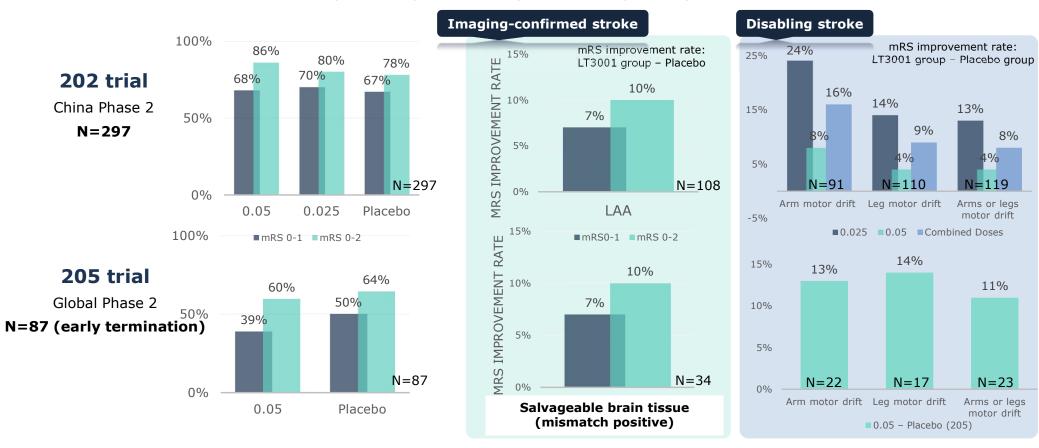
LT3001-202 and LT3001-205: Baseline Characteristics

• LT3001-205 enrolled a smaller global cohort (n=88, US/EU/Taiwan) vs. 202 in China (n=297), with later treatment (~15–17h vs. ~12h), more moderate-to-severe strokes, and inclusion of mismatch imaging.

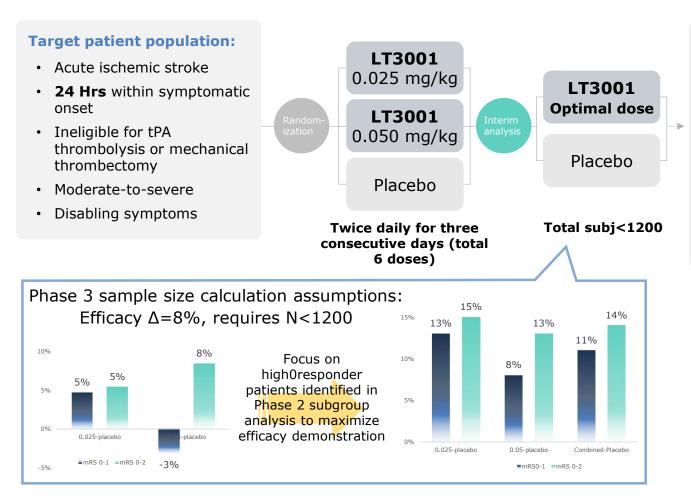
		LT3001-202			LT300	1-205
		0.05 mg/kg	0.025 mg/kg	Placebo	0.05 mg/kg	Placebo
N		99	96	102	43	45
Region Distribution			China 100%		US 19%, EU 33	%, Taiwan 48%
Age	Yrs, median (Q1, Q3)	65 (59,73)	64 (56,70)	64 (57,71)	68 (57,77)	67 (59,74)
Gender	Male%	70.7%	68.8%	71.6%	67%	71%
Weight	Kg, median (Q1, Q3)	68 (60,75)	70 (60,79)	70 (60,75)	72	72
Time from symptom onset to first dose	h, median (Q1, Q3)	12.44 (11.07, 16.42)	11.81 (10.59, 19.80)	12.15 (10.77, 20.02)	15.4 (11.8, 20.0)	16.8 (10.7, 20.7)
Baseline NIHSS score	median (Min, Max)	8 (4, 15)	8 (4, 16)	8 (4, 17)	7 (4, 23)	8 (4, 20)
4~6	N (%)	25 (25.3%)	20 (20.8%)	27 (26.5%)	17 (40%)	15 (33%)
7~10	N (%)	56 (56.6%)	55 (57.3%)	55 (53.9%)	14 (33%)	16 (36%)
11~25	N (%)	18 (18.2%)	21 (21.9%)	20 (19.6%)	12 (27%)	14 (31%)
Stroke classification						
Large artery atherosclerosis (LAA)	N (%)	52 (53.1%)	56 (58.3%)	61 (59.8%)		
Cardiac source of embolism	N (%)	1 (1%)	2 (2.1%)	2 (2%)		
Small artery occlusion (SAO)	N (%)	44 (44.9%)	38 (39.6%)	38 (37.3%)		
Others	N (%)	0	0	0		
Unknown	N (%)	1 (1%)	0	1 (1%)		
Mismatch						
Yes					18 (42%)	16 (36%)

LT3001-202 and LT3001-205: Consistent Functional Improvement Benefit Observed

- Safety broadly confirmed; No LT3001-related symptomatic intracranial hemorrhage (sICH) observed in either Phase 2 trial.
- Consistent efficacy across key populations: moderate-to-severe stroke, disabling stroke, large artery atherosclerosis, and mismatch-positive patients.
- Supports MOA: Promotes clot removal while protecting threatened but salvageable brain tissue.
- Demonstrates clinical value: Particularly suited for patients with urgent demand, representing a differentiated solution for unmet medical needs.



LT3001-301 Phase 3 Trial Design



Primary endpoint:

Day 90 mRS 0-2 improvement rate

Secondary endpoints:

- mRS shift
- · mRS 0-1
- · NIHSS response
- BI 75-100
- EQ-5D

Safety endpoints:

- sICH
- SAE

LT3001 Development Goal - Superior Efficacy, Enhanced Safety - A Novel Stroke Treatment for Broader Patient Populations

Unmet Medical Needs

Therapeutic dilemma for acute ischemic stroke treatments (IV tPA unmet need):

- 1.2~6% Cerebral hemorrhage
- 2. Used in <10% AIS

Global sales of tPA US\$2 billion/yr



LT3001 development goal:

To bring safer, better treatment for more AIS patients

>5x treatment window, without meeting specific imaging criteria

Peak sales US\$6-8 billion

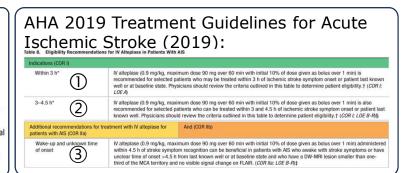
ACTIVASE rt-PA

- IV tPA package insert
- 1 INDICATIONS

ACTIVASE rt-PA (alteplase for injection) is indicated for:



The management of acute ischemic stroke (AIS) in adults for improving neurological recovery
and reducing the incidence of disability. Treatment should only be initiated within 3 hours
after the onset of stroke symptoms, and after exclusion of intracranial hemorrhage by a cranial
computerized tomography (CT) scan or other diagnostic imaging method sensitive for the
presence of hemorrhage. Eligibility criteria of the National Institute of Neurological Disorders
and Stroke (NINDS) protocol must be strictly adhered to (see 2 CONTRAINDICATIONS).



Treatment window	Imaging criteria	Efficacy: complete or near-complete recovery independence mRS=0-1 mRS=0-2		Safety: sICH		
0-3 hrs (NINDS, US, 1995)	Routine CT (exclude	tPA (n=168): 39% vs placebo (n=165): 26% (p=0.019)	+13%	NA		tPA: 6.4%, placebo: 0.6% (p<0.001)
② 3-4.5 hrs (ECASS 3, EU, 2008)	hemorrhagic stroke)	tPA (n=418): 52% vs placebo (n=403): 45% (p=0.04)	+7%	tPA: 66.5% vs placebo 61.5%	+5%	tPA: 2.4%, placebo: 0.2% (p=0.008)
Wake-up Stroke (WAKE-UP, EU, 2018)	MRI mismatch	tPA (n=254): 53% vs placebo (n=249): 42% (p=0.02)	+11%	tPA: 74% vs placebo 65%	+9%	tPA: 2.4%, placebo: 0.4% (p=0.1)
4.5-9 hrs (Extend, Australian, 2019)	CTP mismatch	tPA (n=113): 35.4% vs placebo (n=112): 29.5% (p=0.04)	+6%	tPA:49.6% vs placebo:42.6%,	+7%	tPA: 6.2% placebo: 0.9% (p=0.053)
4.5-24 jrs LT3001	Routine CT (exclude hemorrhagic stroke)	+ 11%		+ 14%		0%

LT3001: Phase 2 Achievements and Phase 3 Outlook

- 1. Established safety: No LT3001-related symptomatic intracranial hemorrhage (sICH) observed in either Phase 2 trial, confirming the drug's safety profile.
- 2. Clear efficacy trends: Most pronounced benefit observed in disabling stroke patients, with consistent support from large artery atherosclerosis and mismatch-positive subgroup analyses, demonstrating protection of salvageable brain tissue and functional recovery particularly benefiting high-speed patient populations.
- **3. Global Phase 3 design:** Focuses on disabling stroke populations with interim analysis mechanisms to confirm dosing and adjust sample size, ensuring maximum clinical benefit
- 4. Enhanced success probability: Robust safety foundation and clear efficacy signals, combined with a precision Phase 3 strategy, substantially increase likelihood of clinical and developmental success.

Global Market

Europe: Over 900,000 annual incident ischemic strokes

US: Over 700,000 annual incident ischemic strokes

>30% Are target
moderate-tosevere disabling
patients
Limited treatment options
High healthcare burden

Leading cause of disability

The primary driver of long-term severe disability

Market Potential

- Substantial market opportunity Over 7 million AIS patients globally each year, with >30% representing the target moderate-to-severe disabling population
- Strong market demand EU and US market research indicates high physician prescribing intent; payers estimate treatment costs at \$25,000 per case in the US and \$16,000 in EU.
- **Comprehensive patent protection -** Compound patent extends to 2039; formulation and method-of-use patents provide protection through 2045.

