

Newron Pharmaceuticals S.p.A.

Media and analyst conference Full year results 2008

Zurich April 2, 2009

Disclaimer



Restricted Scope; Exclusion of Liability; Confidentiality

- This document has been prepared by Newron Pharmaceuticals S.p.A. ("Newron") solely for your information. The information contained herein has not been independently verified. No representation or warranty, express or implied, is made as to, and no reliance should be placed on, the fairness, accuracy, completeness or correctness of the information or opinions contained herein. Newron does not undertake any obligation to up-date or revise any information contained in this presentation. None of Newron, its advisors or any of their respective representatives or affiliates shall have any liability whatsoever (in negligence or otherwise) for any loss howsoever arising from any use of this document or its contents or otherwise arising in connection with this document.
- This copy of the presentation is strictly confidential and personal to the recipient. It may not be (i) used for any purpose other than in connection with the purpose of this presentation, (ii) reproduced or published, (iii) circulated to any person other than to whom it has been provided at this presentation.

Forward-Looking Statements

- This document contains forward-looking statements, including (without limitation) about (1) Newron's ability to develop and expand its business, successfully complete development of its current product candidates and current and future collaborations for the development and commercialisation of its product candidates and reduce costs (including staff costs), (2) the market for drugs to treat CNS diseases and pain conditions, (3) Newron's anticipated future revenues, capital expenditures and financial resources, and (4) assumptions underlying any such statements. In some cases these statements and assumptions can be identified by the fact that they use words such as "will", "anticipate", "estimate", "expect", "project", "intend", "plan", "believe", "target", and other words and terms of similar meaning. All statements, other than historical facts, contained herein regarding Newron's strategy, goals, plans, future financial position, projected revenues and costs and prospects are forward-looking statements.
- By their very nature, such statements and assumptions involve inherent risks and uncertainties, both general and specific, and risks exist that predictions, forecasts, projections and other outcomes described, assumed or implied therein will not be achieved. Future events and actual results could differ materially from those set out in, contemplated by or underlying the forward-looking statements due to a number of important factors. These factors include (without limitation) (1) uncertainties in the discovery, development or marketing of products, including without limitation negative results of clinical trials or research projects or unexpected side effects, (2) delay or inability in obtaining regulatory approvals or bringing products to market, (3) future market acceptance of products, (4) loss of or inability to obtain adequate protection for intellectual property rights, (5) inability to raise additional funds, (6) success of existing and entry into future collaborations and licensing agreements, (7) litigation, (8) loss of key executive or other employees, (9) adverse publicity and news coverage, and (10) competition, regulatory, legislative and judicial developments or changes in market and/or overall economic conditions.
- Newron may not actually achieve the plans, intentions or expectations disclosed in forward-looking statements and assumptions underlying any such statements may prove wrong. Investors should therefore not place undue reliance on them. There can be no assurance that actual results of Newron's research programmes, development activities, commercialisation plans, collaborations and operations will not differ materially from the expectations set out in such forward-looking statements or underlying assumptions.

No Offer or Invitation; No Prospectus

- This document does not contain or constitute an offer or invitation to purchase or subscribe for any securities of Newron and no part of it shall form the basis of or be relied upon in connection with any contract or commitment whatsoever.
- This document is not a prospectus within the meaning of art. 652a of the Swiss Code of Obligations or article 32 of the SIX Swiss Exchange Listing Rules. In making a decision to purchase or sell securities of Newron, investors must rely (and they will be deemed to have relied) solely on their own independent examination of Newron.
- The securities of Newron have not been registered under the US Securities Act of 1933 as amended (the "Securities Act") and may not be offered or sold in the United States unless registered under the Securities Act or pursuant to an exemption from such registration. Newron does not intend to register any securities it may offer under the Securities Act.
- This document is only being distributed to and is only directed at (1) persons who are outside the United Kingdom or (i2 to investment professionals falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the "Order") or (3) high net worth companies, and other persons to whom it may lawfully be communicated, falling within Article 49(2)(a) to (d) of the Order (all such persons in (1) to (3) above together being referred to as "relevant persons"). Any person who is not a relevant person should not act or rely on this document or any of its contents.

Acceptance of Disclaimer

By accepting this document, you acknowledge and agree to each of the foregoing disclaimer.

Agenda



Start 10:30 am CET

Welcome

R&D pipeline update

Financial review and outlook

Q&A

End 11:45 am CET

Imbiss

Luca Benatti, CEO

Luca Benatti, CEO

Stefan Weber, CFO

Audience present / conference call participants

Overview



- Focus on global CNS and pain markets, addressing diseases with significant unmet medical needs
- Late-stage validated clinical pipeline
- Proven drug discovery expertise
- Management with proven track record of bringing CNS drugs to market (Comtan™, Cabaser™, Exelon™, Clozaril™)
- Pipeline expanded through acquisition of neuro-inflammation company Hunter-Fleming, April 2008
- Operations in Bresso (I), Basel (CH) and Bristol (UK)
- Listed on main segment of SIX Swiss Exchange (NWRN)

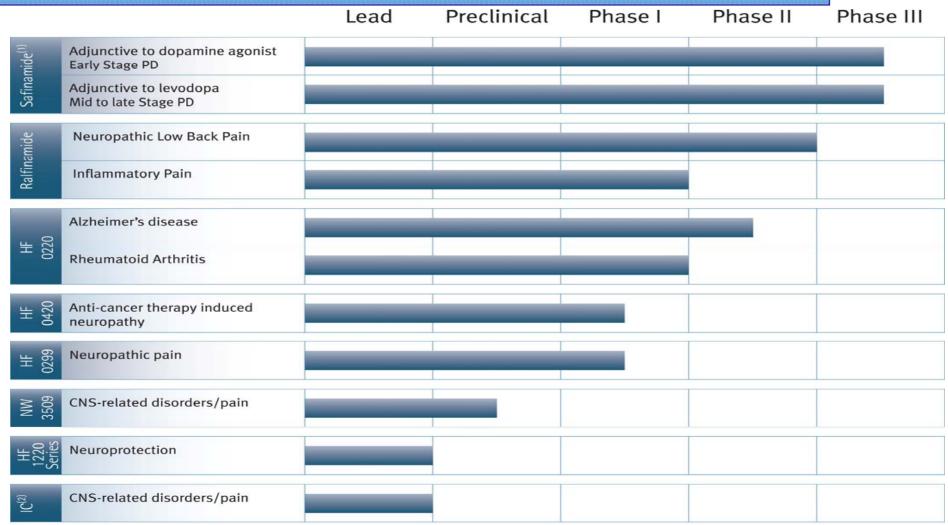
Recent Milestones



- Safinamide significantly improved motor function in patients with advanced PD in Phase III Pivotal Trial
- EPO grants two new patents on safinamide significantly extending its use
- Exciting Phase II results with ralfinamide in Neuropathic Low Back Pain (NLBP)
- Start Phase IIb/III trial with Ralfinamide in NLBP
 - First patients randomized
 - EMEA approved NLBP indication, development plans, study design, outcome measures, diagnostic criteria and statistical analysis plan
- Acquisition and integration of Hunter-Fleming Ltd.
- Positive Phase II safety and tolerability results for HF-0220 in Alzheimer's disease
- EUR5m Italian government R&D grant
- CHF30m long term standby equity line

Broad and diversified pipeline





- (1) Newron is undertaking Phase III trials with safinamide for the treatment of PD on behalf of its partner Merck Serono
- (2) IC = Ion Channel Program
- (3) HF 1020 in preclinical development for asthma is part of Newron's equity holding in Trident



Once a day oral adjunctive therapy for any stage of PD

Parkinson's disease: a large and growing market



- A neurodegenerative disease with progressive deterioration of motor functions
- The most common serious movement disorder in the world
- It affects about 1% of the population over 60 years of age
- >\$4bn market with double digit growth since 2003

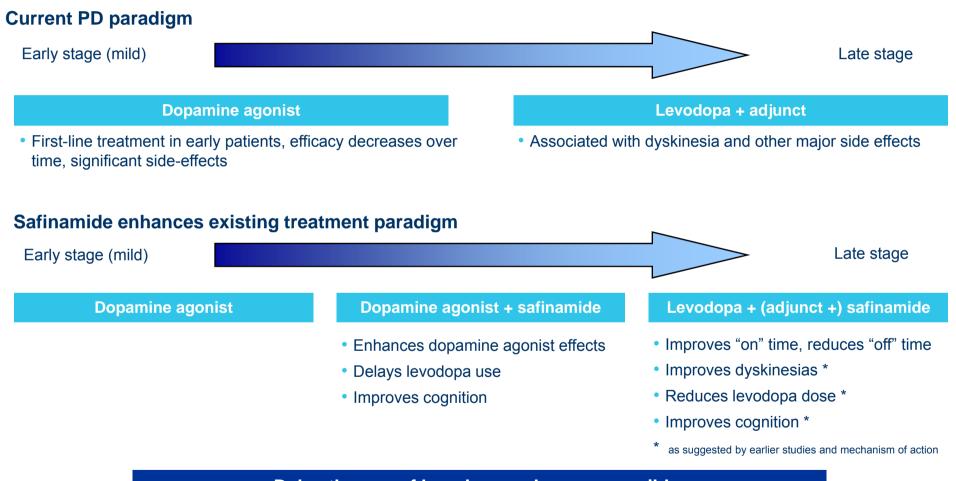
Safinamide



- Once a day oral adjunctive therapy for any stage of PD
- Unique mechanism of action
 - Enhancement of dopaminergic function
 - Reduction of glutamatergic activity
- Small molecule, high bioavailability
- Currently in Phase III development for PD with partner Merck Serono
- Potential in cognitive disorders
- New patents granted significantly extend protection in EU, under review in the US
 - Add-on to L-dopa patent
 - Use patent for RLS

Target Product Profile

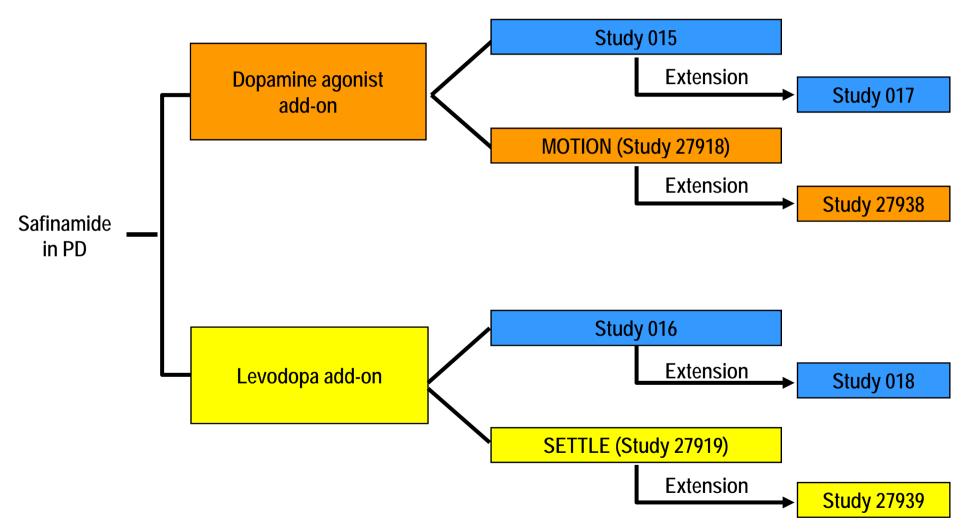




Delay the use of levodopa as long as possible; once you use levodopa, dose as low as possible

Safinamide Clinical Development Plan





Add-on to Dopamine agonists in early PD



- Phase II placebo-controlled study in early PD patients on DA:
 - Statistically significant and clinically relevant superiority at a daily dose of 1 mg/kg (~85 mg) of safinamide on motor symptoms (UPDRS III)
- First phase III trial confirmed positive phase II results:
 - Safinamide 50 to 100mg/day added to patients who are still benefiting from DA treatment showed:

at 6 months

- Statistically significant, clinically relevant improvement in motor symptoms (UPDRS III)
- Statistically significant improvement in activities of daily living (UPDRS II) and quality of life (EUROQOL)
- Statistically significant improvement on two cognitive domains impaired in early PD (executive functioning and working memory)

at 18 months

- Side effects reported with similar frequency in patients receiving safinamide and in placebo group
- Statistically significant improvement in motor symptoms (UPDRS III) and quality of life (EUROQOL)
- Potential to reduce the number of patients experiencing interventions

Add-on to L-dopa in mid-to-late stage PD Study 016 – Design

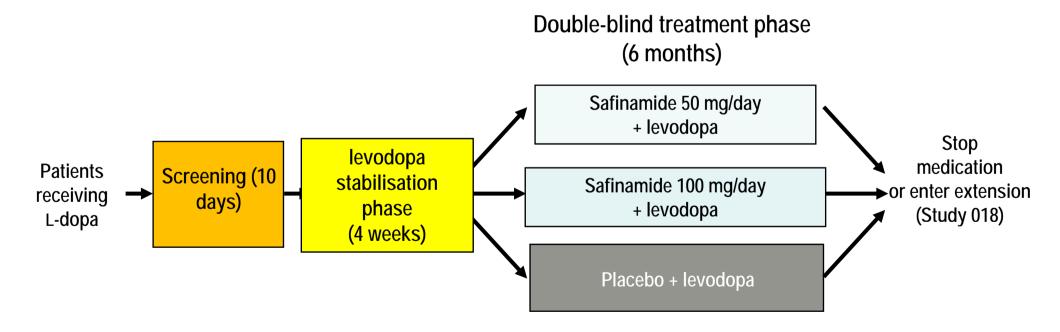


- Double-blind, placebo-controlled, parallel-group, randomised, multi-centre multi-national, Phase III trial
- Comparing two doses of safinamide (50 and 100 mg/day, p.o.) versus placebo
- Once per day administration in the morning
- 669 subjects randomized across 55 sites in Europe and Asia
- Eligible patients will be treated for a total of 2 years
 - This will be achieved by the patients participating in the two protocols:
 - Study 016: duration of treatment is 24 weeks
 - Study 018: duration of treatment is 18 months
- Data from the first 6 months of treatment being analyzed separately, and the blind will be maintained throughout the additional 18 months of treatment

Add-on to levodopa in mid-to-late stage PD Study 016 – Objectives/Design



To evaluate the efficacy and safety of safinamide 50 and 100 mg/day, compared to placebo, in patients with PD with motor fluctuations and currently receiving an 'optimized' PD treatment with levodopa (incl. COMT inhibitors and Stalevo) and other PD therapies (dopamine agonists, anticholinergics, amantadine)



Add-on to L-dopa in mid-to-late stage PD Study 016 – Efficacy variables



Primary efficacy variable

Increase in mean daily "ON" time ("ON" time without dyskinesia plus "ON" time with minor dyskinesia)

Secondary efficacy variables analyzed to date

- Decrease in total daily "OFF" time
- Decrease in mean "OFF" time following first morning dose of levodopa
- UPDRS Section III during "on" phase
- CGI Severity of illness
- CGI Change from baseline

Full study results (incl. further secondary and tertiary endpoints) will be submitted for presentation at upcoming scientific meetings after completion of ongoing analyses

Add-on to L-dopa in mid-to-late stage PD Study 016 – Inclusion criteria



Patients met the following criteria:

- Male or female, aged 30-80 years
- Diagnosis of idiopathic PD of > 3 yrs, based on medical history and neurological examination
- Hoehn and Yahr stage of I-IV during an "OFF" phase
- Levodopa responsive and receiving a stable dose of levodopa at screening
 - 4-10 doses per day
 - Any levodopa preparation (CR, IR or CR/IR combination) plus benserazide/carbidopa
 - COMT inhibitors permitted (including Stalevo®)
- Patients may be receiving concomitant treatment with stable doses of a dopamine agonist and/or an anticholinergic
- Motor fluctuations with >1.5 hrs "OFF" time during day
- Ability to maintain diary (18-hr) with help of caregiver
- Willing and able to provide informed consent in writing

Add-on to L-dopa in mid-to-late stage PD Study 016 – Efficacy endpoints



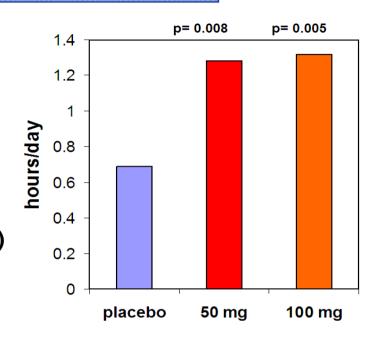
Primary endpoint met

Total Daily "ON" Time

- Average increase vs baseline

Secondary efficacy endpoints analyzed to date also met (statistically significant improvement compared to placebo)

- Total Daily "OFF" Time
- OFF Time After Morning Dose of Levodopa
- UPDRS Part III (motor) "ON"
- Clinical Global Impression Severity
- Clinical Global Impression Change



Full study results will be submitted for presentation at upcoming scientific meetings after completion of ongoing analyses

Add-on to L-dopa in mid-to-late stage PD Study 016 – Safety



- High completion rate
 - 89% of patients treated with safinamide completed the study
 - 91% in the 50 mg dose group
 - 87% in the 100 mg dose group
 - 89% of patients who received placebo completed the study
- Incidence of dropouts, serious adverse events or clinically notable events comparable among the three groups of the study

Add-on to L-dopa in mid-to-late stage PD Study 016 – Topline results - Conclusions



- First Phase III study of safinamide as add-on to levodopa demonstrates statistically significant and clinically relevant efficacy of both 50 mg/day and 100 mg/day of safinamide
 - Primary efficacy endpoint met: safinamide significantly improved motor symptoms by increasing "ON" time
 - Secondary efficacy endpoints analyzed to date met:
 - Decrease in daily "OFF" time
 - Decrease in mean "OFF" time following first morning dose of levodopa
 - Mean change from baseline UPDRS Section III (motor) score during "ON" time
 - Mean change in Clinical Global Impression of severity of disease
 - Change in Clinical Global Impression from baseline
- Study had high completion rate (approx 89%)
 - Incidence of dropouts, serious adverse events or clinically notable events comparable among the three groups of the study
 - High rate (over 90%) of roll-over into extension study
- Full study results will be submitted for presentation at upcoming scientific meetings
- Newron & Merck Serono are completing the development program towards the registration of safinamide in PD (MOTION ongoing/SETTLE to be started within short)



Ralfinamide First in-class agent for the treatment of NLBP

Ralfinamide: an innovative therapeutic agent for Neuropathic Low Back Pain



- Oral use, small molecule, new chemical class
- Modulation of Na, Ca, NMDA receptors: key targets for the control of pain transmission
- Most potent inhibitor of Na(v)1.7 channel in clinical development
- Long-lasting anti-allodynic and anti-hyperalgesic effects in models of neuropathic and inflammatory pain
- No development of tolerance on chronic dosing
- No need for titration
- Demonstrated efficacy in placebo-controlled trial in patients with peripheral neuropathic pain
- First in-class agent for the treatment of NLBP

Neuropathic Low Back Pain



- 55 million patients estimated
- Restricted activity and quality of life
- Often chronic and debilitating
- No drugs have received regulatory approval for this indication yet
- Market opportunity confirmed by prescriptions vs other NP
 - ~ 85m TRxs for NLBP vs 15-20m TRxs for PDN/PHN

Phase II in Neuropathic Pain



- Multi-centre, randomised, D-B, placebo-controlled, flexible ascending dose (80-320mg/day) study
- 272 patients with mixed neuropathic pain syndromes, including diabetic neuropathy, postherpetic neuralgia, nerve compression and entrapment (NCET)
- Treatment duration: 8 weeks
- Clear evidence of efficacy with positive effect seen both as change vs baseline as well as proportion of patients with at least 50% improvement on:
 - VAS
 - Likert (Pain)
 - Daily Diary Sleep
 - Daily Diary Activity
- Ralfinamide was well tolerated with no evidence of any statistically significant or clinically relevant pattern of change compared to placebo

Responder analysis: proportion of patients with a VAS decrease of at least 30% or 50% - NCET



VAS Responder rate	Nerve Compression/Entrapment - ITT			
LOCF	30%		50%	
Treatment	Ralfinamide	Placebo	Ralfinamide	Placebo
N	57	39	57	39
Proportion of responders n (%)	31 (54.4)	13 (33.3)	26 (45.6)	8 (20.5)
Odds ratio	2.38		3.25	
95% CI for odds ratio	1.02, 5.55		1.27, 8.29	
P-Value (A)	0.043 *		0.012 *	

Responder analysis: Likert pain (proportion of patients with a decrease of at least 30% or 50%) – NCET



Responder rate		Nerve Compression/Entrapment - ITT			
LOCF	30%	30%		50%	
Treatment	Ralfinamide	Placebo	Ralfinamide	Placebo	
N	57	39	57	39	
Proportion of Responders n (%)	33 (57.89)	14 (35.90)	24 (42.11)	7 (17.95)	
Risk Difference (95% CIs)	22.0 (2.2, 41.8)		24.2 (6.6, 41.7)		
Chi-Square P-value (A)	0.034	0.0342 *		0.0129 *	

Responder analysis: Likert pain (patients with 2 or more point improvement) - NCET



Responder rate LOCF	Nerve Compression/Entrapment		
Treatment	Ralfinamide	Placebo	
N	57	39	
Proportion of Responders n (%)	31 (54.4)	11 (28.2)	
Odds Ratio (95% CI for Odds Ratio)	3.03 (1.27, 7.25)		
P-value (A)	0.012 *		

Comparability of response to Ralfinamide in patients diagnosed with NCET vs NLBP



50% Responder rate LOCF	NCET	– ITT	NLBP -	- ITT
Treatment	RALF	PBO	RALF	PBO
N	57	39	33	21
Proportion of responders n (%)	26 (45.6)	8 (20.5)	11 (33.33)	2 (9.52)
Difference	25.	.1	23.	8
P-Value	0.01	2 *	0.046	80 *

Phase Ilb/III in NLBP: Study Design



- Double-blind placebo controlled, parallel-group, multinational trial
- Treatments:
 - Placebo and 2 doses of ralfinamide (160mg and 320 mg daily)
- Randomisation: Equally to all three groups
- Study Duration: 12 weeks
 - Patients who complete 12 weeks of treatment will be eligible to enter a double-blind 40 week extension
 - Patients will continue on the same dose of study medication they were receiving at the end of the 12 week treatment period
- Number of Patients: approx 400

Phase IIb/III in NLBP: Diagnostic Criteria



- At least moderate (>40mm) pain as judged by patients' self ratings on the VAS
- Present for at least 3 months but not longer than 3 years
- Diagnostic criteria as specified in the Int. Ass. for the Study of Pain (IASP)
 Classification of Chronic Pain
- Pain is due to a lesion of the PNS
- Neuropathic nature of the low back pain is confirmed by
 - A score >18 on the Pain Detect Questionnaire
 - Cutaneous and sensory testing confirms the involvement of dermatomes corresponding to L1-S1
- Test of muscle power, flexion, and reflexes support the diagnosis
- Imaging will be performed where necessary to confirm the diagnosis

Phase IIb/III in NLBP: Clinical



- Primary Efficacy Measure
 - Mean percent on 11-point Likert Scale measuring intensity of pain
- Key Secondary Measures
 - Mean percent change on the VAS (100mm line) measuring intensity of pain
 - Responder rate (30% and 50%) improvement on the Likert/VAS
- Safety Measures
 - ECG, Laboratory, Vital signs etc.

Phase IIb/III in NLBP: Status



- First patient randomized on March 31, 2009
- EMEA approved:
 - Plans for the NLBP indications
 - Study design
 - Diagnostic criteria
 - Outcome measures
 - Statistical analysis
- EMEA agreement confirms the earlier consensus by a number of Health Authorities in North America and Europe
- Top line results 1H2010

Ralfinamide in NLBP



- NLPB is a large market
- Area of high unmet patient need
- No approved medications
- Favorable access and pricing
- Physicians agree most Chronic Back Pain has a neuropathic component
- Opportunity to transition from NLBP to Chronic Back Pain (CBP)
- Ralfinamide may become the first approved drug for NLBP
- Blockbuster potential



HF0220 Potential first-in-class neuroprotective agent

HF0220: the concept



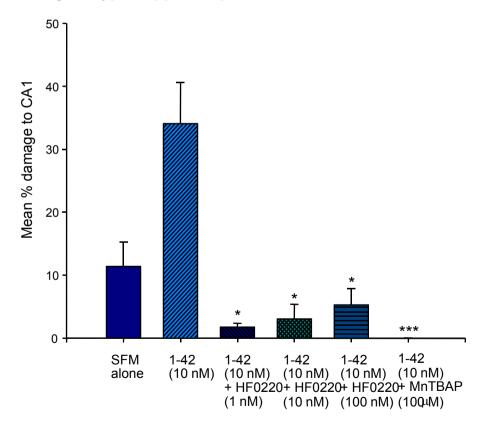
- HF0220 is the 7-ß-hydroxyl derivative of epiandrosterone (EPIA)
- EPIA and the related dehydroxy-EPIA (DHEA), are naturally occurring neuroprotectant steroids whose formation is increased in response to oxidative stress. Their activities are mainly due to their 7-hydroxyl derivatives
- Hydroxylation to 7-α is mediated by CYP7b and further conversion to 7β-hydroxyl derivatives by 11β-HSD1
- This conversion is impaired in pathological conditions, such as AD
- The administration of HF0220 may overcome this deficit in neurodegenerative diseases

HF0220 has potential to be first-in class neuroprotective agent



- HF0220 showed strong neuroprotective effects in several experimental models of neurotoxicity, both in vivo and in vitro
- A potential "first-in-class disease-modifying agent" for neurodegenerative diseases

Significant protective effects on β -amiloid- and serum deprivation-induced neurotoxicity in organotypic hippocampal slices



HF0220 showed safety and tolerability in AD patients



- Multicenter, randomized, double-blind, placebo controlled pilot study in 42 patients with mild to moderate Alzheimer's disease
- HF0220 administered at doses ranging from 1 to 220 mg/day
- Patients allowed to continue current AD medication

Results:

- Drug was well tolerated, no difference to placebo
- High rate of completion
- Drug can be safely administered to AD patients with concomitant illnesses, more susceptible to side effects of existing medications



NW-3509

For the treatment of psychiatric disorders

NW-3509: addressing unmet medical needs in schizophrenia and bipolar disorder

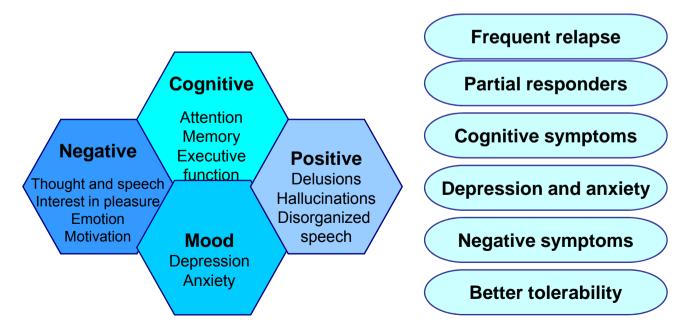


- Innovative compound from Newron's ion channel program
- Modulates neuronal systems involved in psychiatric disorders
- Fast onset of action with high availability in the brain
- NW-3509 has the potential to address unmet medical needs in schizophrenia and in bipolar disorder
- NCE patent filed in 2007
- Undergoing IND enabling studies

Schizophrenia



- Antipsychotic market 2008 > \$ 22Bn
- Schizophrenia is characterized by positive symptoms (delusions, hallucinations), negative symptoms (poverty of speech, lack of spontaneity) and by a profound disruption in cognition.
- Schizophrenia shows a high rate of co-morbidity, including anxiety and depression
- Several major needs remain unmet by current medications, such as cognitive impairment, incomplete/partial responders and co-morbidities



NW-3509 has the potential to address unmet medical needs in schizophrenia



Cognitive symptoms

 NW-3509 is active in models of short and long-term memory impairment. Most antipsychotic have detrimental effect on cognition

Incomplete/partial responder patients

 NW-3509 is active in models of information processing, elicited by different mechanisms, both natural and pharmacological

Co-morbidities

 NW-3509 is active in models of anxiety and depression, suggesting to be able to address important co-morbidities in schizophrenia

NW-3509 has also potential in bipolar disorder



- Bipolar disorder is a complex disorder characterised by oscillation between periods of mania and depression. Bipolar depression is an important unmet medical need
- NW-3509 is active in a mania hyperactivity model, showing its potential on the manic phase of the disorder, without inducing sedation
- NW-3509 is active in a model of depression, suggesting a possible effect in the depressive phase of bipolar disorder



Financials

Financial Highlights 2008



- First time consolidation of subsidiaries in CH and UK
- License income EUR2.6m (2007: EUR4.0m) revenue recognition from MS downpayment
- Other income EUR1.3m (2007: EUR0.1m) grants, tax credits I, UK
- Gross R&D expenses €22.4m (2007: €18.0m), including safinamide-related expense
- Net R&D expenses €12.9m (2007: €8.5m), net of MS reimbursement of safinamide
- SG&A expenses €9.4 m (2007: EUR9.3m), including €1.3m one-time effect of HF post acquisition restructuring
- Financial income €2.0m (2007: EUR2.6m)
- Net loss €16.4m (2007: EUR11.1m)
- Net cash used in operating activities EUR19.9m (2007: EUR13.9m)
- Net decrease in cash and cash equivalents EUR21.9m (2007:11.6m)
- Cash position at year end 2008: EUR41.3m, plus option to CHF30.0m under equity line
- Net cash used in operating activities <u>guidance 2009</u>: EUR25.0m

Solid cash position – R&D relief by Merck Serono Financial Statements 2008 (IFRS)



EUR ('000)	2008	2007
License income	2,635	4,024
Other income	1,298	70
R&D expenses	(12,881)	(8,474)
Marketing and advertising expenses	(115)	(131)
General and administrative expenses	(9,256)	(9,170)
Operating Loss	(18,319)	(13,681)
Financial income, net	1,963	2,593
Income tax expense	(8)	(1)
Net loss	(16,364)	(11,089)
Loss per share in €	(2.74)	(1.90)

EUR ('000)	2008	2007
Net cash used in operating activities	(19,932)	(13,866
Net cash flows from investing activities	(1,615)	2,243
Net cash flows from financing activities	(343)	15
Net decrease in cash and cash equivalents	(21,890)	(11,608

EUR ('000)	31/12/2008	31/12/2007
Non-current assets	13,303	852
Current assets	47,237	69,516
Total assets	60,540	70,368
Borrowings/Deferred tax liability - non-current	4,038	561
Deferred income - non-current	0	1,973
Employee severance indemnity/cash settled share-based liabilities	684	661
Current liabilities	10,007	9,773
Total shareholders' equity	45,811	57,400
Total equity and liabilities	60,540	70,368

Newron share information (SIX: NWRN)



Number of shares

Fully paid in: 6,037,556 March 30, 09 (2007: 5,834,766)

(185,742 shares for HF in May 08)

(16,242 shares for YG in Jan 09)

• Fully diluted (SOP): 6,347,561 March 30, 09 (2007: 6,137,451)

Market capitalisation 31/3/2009:

Non-diluted: 105.1m CHF

Fully diluted: 110.4m CHF

Analysts: Karl Bradshaw, Morgan Stanley

Peter Welford, Jefferies

Andrew Weiss, Bank Vontobel

Carri Duncan, Sal. Oppenheim

Florian Gaiser, Kepler Equities

Olav Zilian, Helvea

Bob Pooler, Bank am Bellevue

S. Fazeli, M. Aitkenhead, Piper Jaffray

Anticipated 12 month milestones



- Start and completion of additional trials to allow regulatory filing of safinamide in PD
- Safinamide in mid-to-late stage PD: presentation of full study results at next scientific meetings
- IND for NW-3509
- Start of PoC trial of HF0220 as neuroprotectant
- Phase IIb/III results of ralfinamide in NLBP
- Ralfinamide partnership

Summary Highlights



- Leading the field in the development of novel therapies for the treatment of CNS and pain
- Late stage validated pipeline addressing major therapeutic indications
- Broad, expanded pipeline:
 - Safinamide: once a day oral adjunctive therapy for any stage of PD
 - Ralfinamide: potential first in-class therapy for NLBP
 - Highly promising earlier pipeline
- Goal is to become a Fully Integrated Biopharmaceutical Company