



Isofol Medical AB
Corporate Presentation
November 2025

ISOFOL

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Isofol in short

- Oncology-focused biotech company listed on Nasdaq Stockholm
- Our goal is to make today's and tomorrow's cancer treatment better with **arfolitixorin**, a next-generation folate drug candidate designed to replace leucovorin and enhance the efficacy of standard 5-FU-based treatments for solid tumors
- Currently conducting a phase Ib/II trial in metastatic colorectal cancer, the 3rd most common form of cancer

Isofol's value creation rests on three solid pillars

01

High unmet medical need

02

High-potential drug candidate

03

Large market opportunity

Isofol's value creation rests on three solid pillars

01

High unmet medical need

Arfolitixorin aims to potentiate 5-FU-based chemotherapy – today's and tomorrow's standard treatment for several types of cancer where better treatments are urgently needed

02

High-potential drug candidate

03

Large market opportunity

Arfolitixorin aims to potentiate 5-FU-based chemotherapy, a standard treatment for several types of cancer

5-FU

The chemo basis of cytostatic combinations (for example FOLFOX)



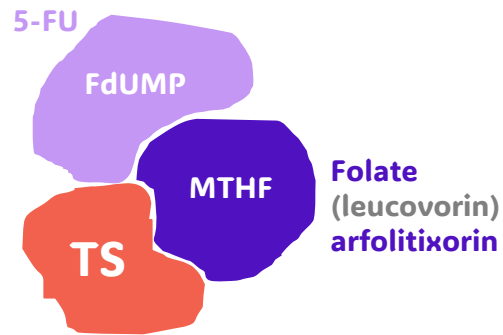
Folate

Added to enhance the effect by delivering MTHF to tumors (today: leucovorin)

arfolitixorin
next-gen folate

Used in various regimens for treating for example colorectal, gastric, pancreatic, esophageal and gastroesophageal, head and neck cancers.

Mode of Action (simplified): 5-FU + folate targets the TS enzyme to kill tumor cells



- Target: **TS (thymidylate synthase)** – enzyme essential for tumor cell growth
- The standard chemotherapy **5-FU** is swiftly converted intracellularly to **FdUMP**
- **FdUMP** binds to **TS** forming an unstable binary complex
- High concentrations of **MTHF** (active metabolite of folate) stabilize TS+FdUMP+MTHF in a ternary complex



- The stable ternary complex inhibits **TS** effectively, resulting in interrupted tumor cell DNA synthesis and repair



- Anti-tumor effect

Arfolitixorin has potential across several cancer types treated with 5-FU-based chemotherapy, starting with **metastatic colorectal cancer** as the lead indication

Colorectal cancer is a major medical problem worldwide because of its high incidence and low survival rates among patients with advanced/metastatic disease:

1 900 000

people are affected annually

3rd most common cancer

900 000

patient deaths per year

2nd most common cause of
cancer death

86 %

of patients with metastatic disease
(mCRC) die within five years

➔ **Today's treatments are insufficient. Improving outcomes of first line therapies has the potential to have a large medical impact.**

5-FU combined with folate is the backbone first-line treatment for 95% of all mCRC patients, today as well as tomorrow.

MSS/pMMR (95% of patients)		MSI-H/dMMR (5%)
RAS/BRAF mutant	RAS/BRAF wild-type	
Patients eligible for intensive tx (95%) FOLFOX/FOLFIRI/ CAPEOX +/- bevacizumab or FOLFOXIRI +/- bevacizumab	Right-sided: FOLFOX/FOLFIRI/CAPEOX/FOLFOXIRI +/- bevacizumab	
Patients ineligible for intensive tx (5%) Capecitabine + bevacizumab or 5-FU + folate + bevacizumab	Left-sided: FOLFOX/FOLFIRI +/- cetuximab +/- panitumumab	Keytruda Opdivo ± Yervoy

Addressable patient groups for arfolitixorin, ~90% of all

- ➔ **Lasting market opportunity:** 5-FU combined with folate will remain the backbone treatment for mCRC for the foreseeable future.
- ➔ A large number of drugs are in development for mCRC, most intended to be used either as an **add-on** to 5-FU+folate or in **later lines of therapy** – none will replace it
- ➔ Consensus among clinical experts that 5-FU+folate will remain the mainstay of treatment for the foreseeable future.

"It is inconceivable to think that 5-FU backbone will not be the mainstay care, it is a very effective drug within our treatment landscape"

"5-FU is the most effective drug in this disease, I don't think it will ever go away ever"

"I think we are going to get smarter and find more actionable mutations, but I do not think this will impact the 1L SoC"

"There isn't anything that comes close to chemo or has a response rate high enough to replace the chemo backbone. **5-FU will remain the pyrimidine of choice** in multi-agent chemo regimens in 1L"

Folates are used in 9 out of 10 mCRC regimens – creating a large opportunity for value creation

- Folates are combined with all 5-FU-based treatment regimens for mCRC, such as FOLFOX, mFOLFOX6, FOLFIRI, FOLFOXIRI
- Folates (folinic acid) are sold under different names, the most common one being *leucovorin*
- Arfolitixorin could potentially replace folic acid across all these regimens

Regimen*	Irinotecan	Oxaliplatin	Leucovorin [¶]	Fluorouracil/capecitabine	Schedule
FOLFIRI ^[1]	180 mg/m ² day 1		400 mg/m ² over two hours day 1	Fluorouracil 400 mg/m ² bolus day 1, followed by 2400 to 3000 mg/m ² ^Δ over 46 hours, continuous infusion	Every two weeks
Douillard regimen ^[2]	180 mg/m ² day 1		200 mg/m ² leucovorin over two hours days 1 and 2 before fluorouracil	Fluorouracil 400 mg/m ² bolus then 600 mg/m ² over 22 hours days 1 and 2	Every two weeks
FOLFOX 4 ^[3]		85 mg/m ² day 1	400 mg/m ² over two hours days 1 and 2 before fluorouracil [◊]	Fluorouracil 400 mg/m ² bolus, then 600 mg/m ² over 22 hours days 1 and 2	Every two weeks
FOLFOX 6 ^[1]		100 mg/m ² day 1	400 mg/m ² over two hours day 1	Fluorouracil 400 mg/m ² bolus day 1, followed by 2400 to 3000 mg/m ² ^Δ over 46 hours, continuous infusion	Every two weeks
Modified FOLFOX 6 ^[4,5]		85 mg/m ² day 1	350 mg total dose over two hours day 1	Fluorouracil 400 mg/m ² bolus day 1, followed by 2400 mg/m ² over 46 hours	Every two weeks
FOLFOX 7 ^[6]		130 mg/m ² day 1	400 mg/m ² over two hours day 1	Fluorouracil 400 mg/m ² bolus, then 2400 mg/m ² over 46 hours	Every two weeks
Modified FOLFOX 7 ^[7] (Optimox)		100 mg/m ² day 1	400 mg/m ² over two hours day 1	Fluorouracil 3000 mg/m ² over 46 hours	Every two weeks
Modified FOLFOX 7 ^[8] (CONcePT) [§]		85 mg/m ² day 1	200 mg/m ² over two hours day 1	Fluorouracil 2400 mg/m ² over 46 hours	Every two weeks
XELOX ^[5]		130 mg/m ² day 1		Capecitabine 1000 mg/m ² orally twice per day on days 1 to 14	Every three weeks
FOLFOXIRI ^[9]	165 mg/m ² day 1	85 mg/m ² day 1	400 mg/m ² leucovorin over two hours day 1	Fluorouracil 3200 mg/m ² over 48 hours	Every two weeks

* All doses shown are for intravenous (IV) administration, except capecitabine.

¶ Leucovorin doses given for the d,l racemic mixture.

Δ 2400 mg/m² dose is commonly used.

◊ The original trial report indicated a leucovorin dose of 200 mg/m² daily, but this was an error, and the correct dose used in the protocol was 400 mg/m² (R Goldberg, personal communication).

§ FOLFOX 7 was administered with bevacizumab (5 mg/kg every two weeks) in the CONCePT trial.

Isofol's value creation rests on three solid pillars

01

High unmet medical need

02

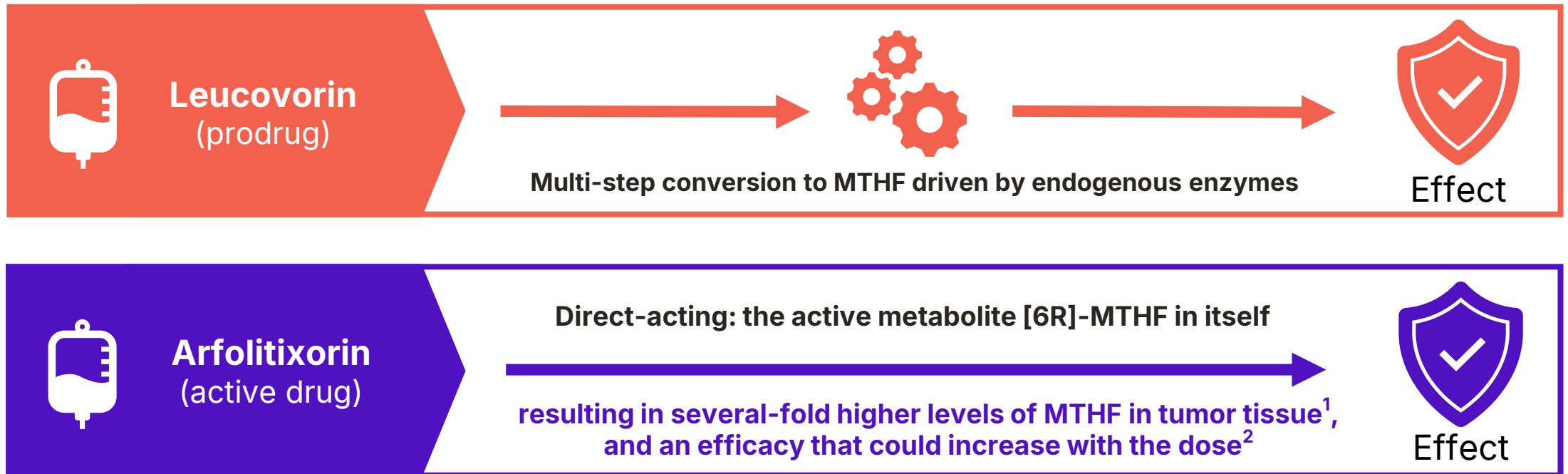
High-potential drug candidate

Arfolitixorin is the first and only direct-acting folate, designed to enhance 5-FU efficacy and improve outcomes of standard treatments across multiple cancer types. It has shown promising results in earlier studies.

03

Large market opportunity

Arfolitixorin's key advantage: Bypassing the metabolic activation steps required by today's folate drugs

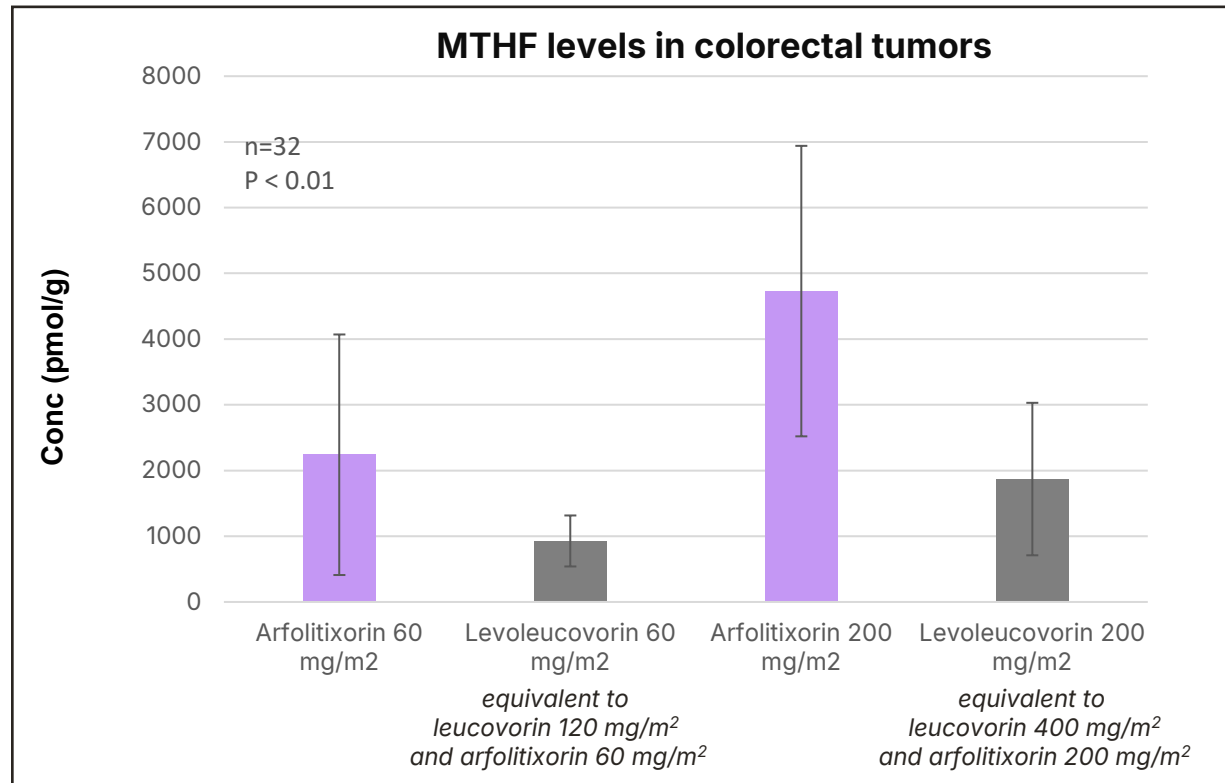


➤ **Aim: Improved outcomes
(Objective Response Rate, Progression-Free Survival, Overall Survival)**

1) Wettergren Y et.al. A pharmacokinetic and pharmacodynamic investigation of Modufolin® (arfolitixorin) vs Isovorin® after single-dose IV administration to patients with colon cancer: a randomized study. Cancer Chemother Pharmacol. 2015;75(1):37–47. doi:10.1007/s00280-014-2611-9n.

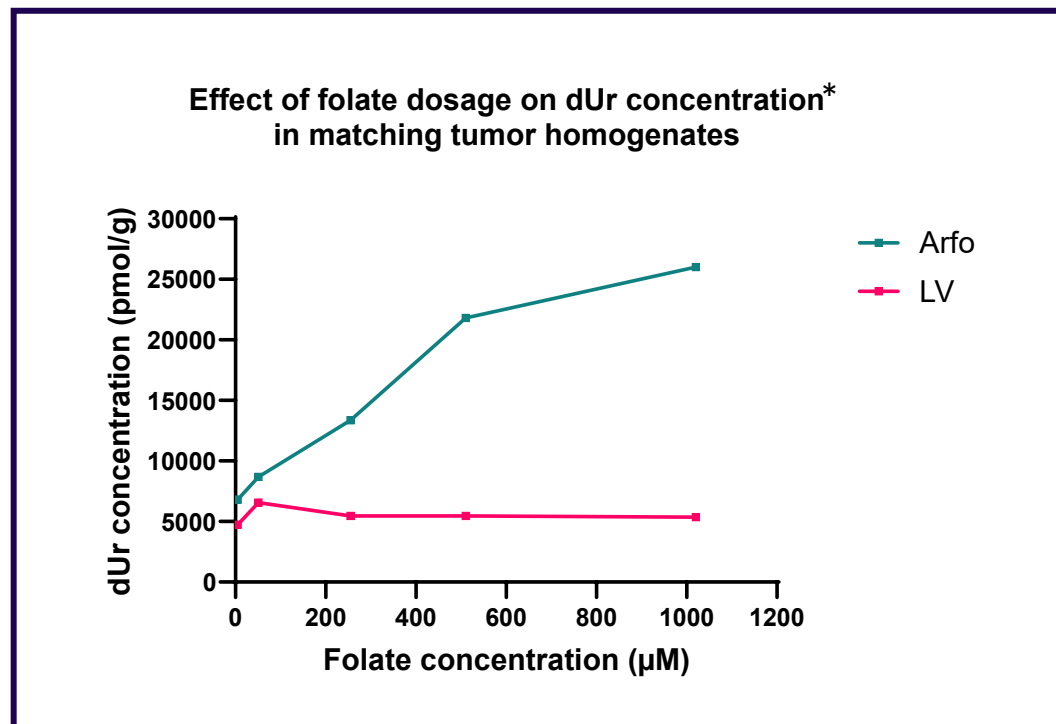
2) According to preclinical studies, cf. next slides

Higher concentrations: Arfolitixorin gives several-fold higher levels of MTHF in tumors, optimizing conditions for TS inhibition



- PK/PD data from the randomized Phase I/II study ISO-CC-002 demonstrate significantly increased MTHF levels in mCRC tumors from patients treated with arfolitixorin as compared to equimolar doses of levoleucovorin*
- Significantly higher levels of MTHF were also observed in the arfolitixorin 200 mg/m² dose cohort in comparison to the arfolitixorin 60 mg/m² dose cohort. This suggests that elevated doses of arfolitixorin could create conditions for an increased tumor-killing effect.

Dose-response: Studies indicate that arfolitixorin's efficacy increases with dose, setting it apart from leucovorin (1/3)

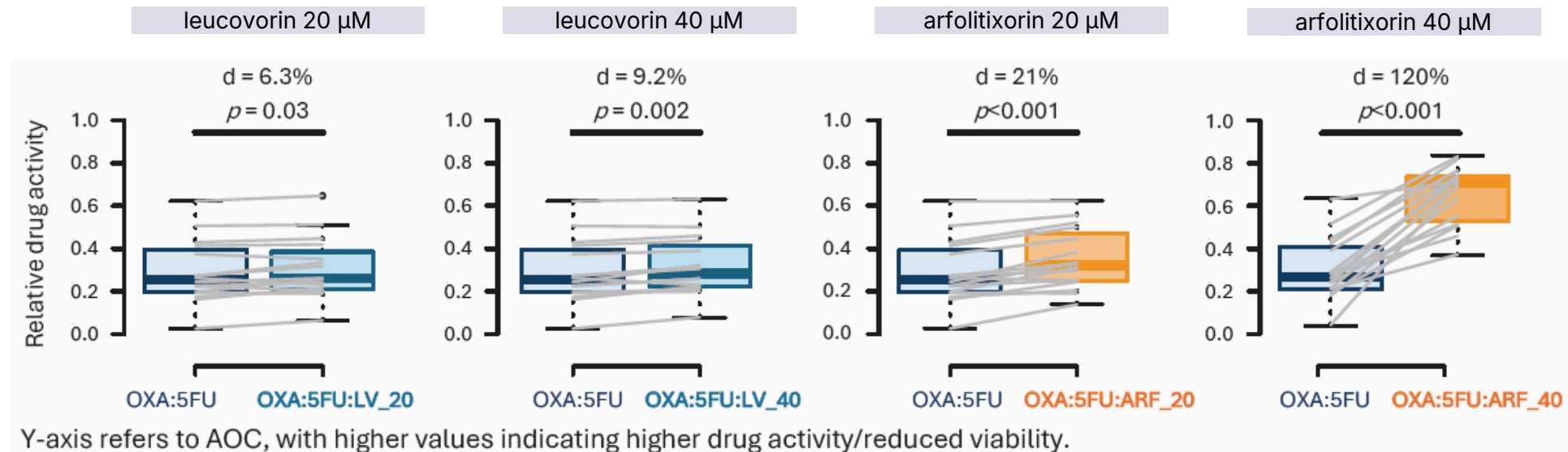


*) dUr concentration is a surrogate marker for TS inhibition.

- It is well known that **the clinical efficacy of leucovorin (LV) does not increase with higher doses**. This was reconfirmed in a recent preclinical study using colorectal tumor homogenates, measuring deoxyuridine (dUr) concentrations (a biomarker for TS inhibition as a surrogate for clinical efficacy).
- For arfolitixorin (Arfo) however, the study showed a strong dose-response relationship, i.e. that **the efficacy of arfolitixorin increased with higher doses**,
- This property is unique to arfolitixorin and distinguishes it markedly from leucovorin, whose efficacy plateaus at higher concentrations

Dose-response: Studies indicate that arfolitixorin's efficacy increases with dose, setting it apart from leucovorin (2/3)

A preclinical study, conducted on Patient-Derived CRC Tumoroids tested arfolitixorin vs. leucovorin in combination with 5-FU and oxaliplatin*, reproduces the dose-response relationship. Arfolitixorin showed potent concentration-dependent cytotoxic effects that enhanced the 5-FU + oxaliplatin activity more effectively than leucovorin.



Dose-response: Studies indicate that arfolitixorin's efficacy increases with dose, setting it apart from leucovorin (3/3)

The Modelle-001 trial, conducted on CRC tumor samples from liver metastases from living patients, adds to the body of evidence for the dose-response relationship. Median TS inhibition, a surrogate marker for clinical efficacy, was highest in the group receiving the highest dose of arfolitixorin.



In conclusion, the Modelle-001 Trial demonstrated significantly higher levels of MeTHF (both mono- and polyglutamates) in metastases following Arfo compared to LV. This resulted in a greater increase TS inhibition in metastases although not statistically significant. All patients in the A30 group showed TS inhibition in metastases, whereas several patients in the LV60 group had no TS inhibition. The median TS inhibition was highest in the A120 group.

A previous phase III trial* indicated similar efficacy of arfolitixorin as leucovorin with a **suboptimal dosing regimen**



Wrong timing

Arfolitixorin was given 30 min **after** 5-FU bolus, in contrast to leucovorin which was given **before** as per clinical practice

→ Too late to be able to chemically fully potentiate TS-inhibition as high MTHF levels are required from the start



Low dose

Arfolitixorin was given in a significantly lower dose than leucovorin

→ Comparing a low dose (60mg x2) with a high dose (eqv. to 200mg)[†] meant
1) an inaccurate comparison between arms, and
2) that arfolitixorin's dose-response relationship was not leveraged

➔ **Too little, too late:
less TS inhibition and lower anti-tumor effect**

*) The AGENT study was a randomized, controlled, multi-center Phase III study assessing the efficacy and safety of arfolitixorin compared to leucovorin (the current folate-based treatment), both used in combination with 5-FU, oxaliplatin, and bevacizumab in first-line metastatic colorectal cancer (mCRC) patients. The endpoint of superiority was not met, and the trial was terminated in 2022.

†) 60 mg/m² of arfolitixorin was given in conjunction to the 5-FU bolus, and 400 mg/m² leucovorin (equimolar to 200 mg arfolitixorin).

In summary, earlier studies form a comprehensive dataset that de-risks the continued development

ISO-CC-002 (Phase I/II)

ISO-CC-005 (Phase I/II)

- Phase I/II-studies ISO-CC-002 and ISO-CC-005 indicate that the drug candidate is **safe, well tolerated and show efficacy**.
- It also shows **significantly higher levels of MTHF in tumors** following equimolar doses of arfolitixorin compared to SoC.

AGENT (Global phase III)

AGENT post-hoc analyses

- Global, randomized phase III-study did not meet its endpoint of superiority but **showed that the drug is efficacious** (similar efficacy as leucovorin in the ITT population with the chosen dosing regimen)
- Post-hoc analyses show that 1) the **dosing was likely too low** and not comparable to the control arm, and 2) that **the dose was given too late**
- Post-hoc, per-protocol analysis indicates **possible superior efficacy in important regions even with the suboptimal dosing**, cf. next slide

Patient-Derived Tumoroid studies

Tumor homogenate studies

Tissue-level studies

- Recent preclinical studies strengthen the evidence further and underpins the restart of the clinical program, e.g. by indicating strong drug activity and pointing at a **strong and unique dose-response relationship** (higher doses of arfolitixorin gives higher efficacy, in contrast to leucovorin).

Taken together, the data form a solid evidence platform for continued clinical development

1

Established efficacy: Arfolitixorin has already shown efficacy comparable to SoC in a global phase III-study with suboptimal dosing (too low dose given too late).



2

Pharmacokinetics, pharmacodynamics and available data indicate that **higher doses given before instead of after 5-FU should lead to better efficacy.**



3

Safety with higher doses has been established (up to 500 mg/m², which is the highest dose to be tested in the ongoing study) in healthy volunteers.*



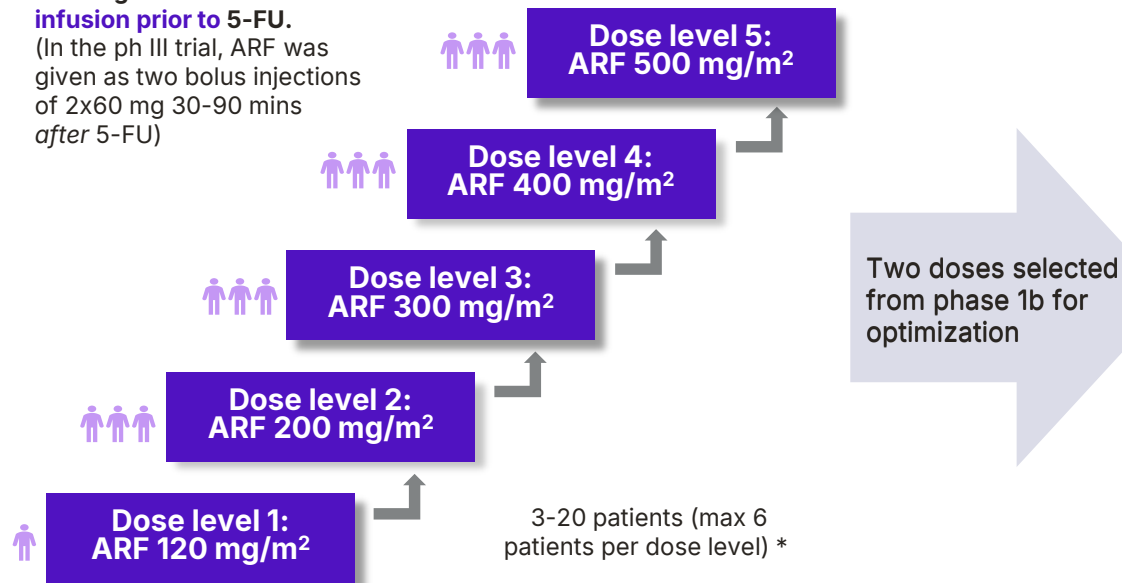
*) Studies have been conducted with doses up to 500 mg/m² (in healthy volunteers) and 240 mg/m² (in patients with metastatic colorectal cancer in combination with 5-FU and other drugs, ARF given in the phase III dosing sequence) with a maintained safety profile.

Now conducting a new clinical phase Ib/II-study with an optimized dosing regimen

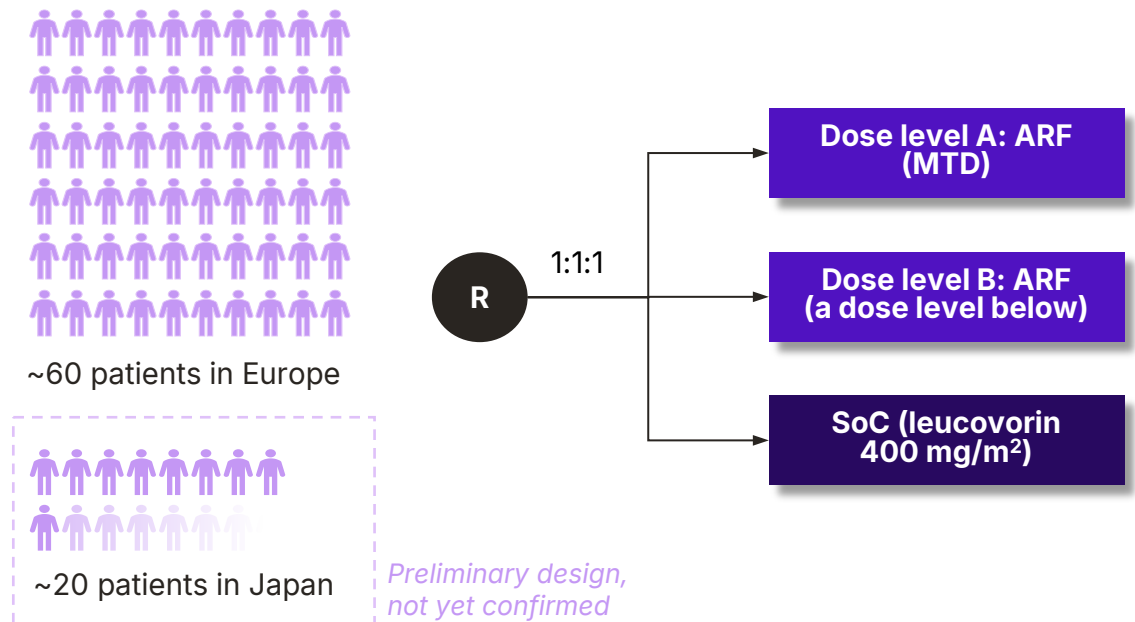
The study enrolls treatment-naïve patients with metastatic colorectal cancer, uses standard chemotherapy regimens (such as FOLFOX) where arfolitixorin (ARF) replaces leucovorin.

Ongoing phase 1b 2025-2026: Dose escalation

ARF is given as one **short infusion prior to 5-FU**.
(In the ph III trial, ARF was given as two bolus injections of 2x60 mg 30-90 mins after 5-FU)



Planned[†] phase 2 (randomized) 2026-2027: Dose optimization



*Treatment administered until disease progression, undue toxicity, or any other protocol-defined stopping criterion following a BOIN, Bayesian optimal interval design.

[†] Pending protocol amendment approval by BfArM (current protocol does not include a SoC arm) and protocol approval by PMDA

Ref: Adapted from a Trial-in-Progress poster presented at ESMO 2025: https://cslide.ctimeetingtech.com/esmo2025/attendee/confcal_2/presentation/list?q=908eTIP

iSOFOFOL

Clinical development in collaboration with Charité – a world leading hospital



**Prof. Dr. med.
Sebastian Stintzing**

Head of the Department of
Hematology, Oncology and
Cancer Immunology (CCM)

*Coordinating Principal
investigator*

Isofol's Advisory Board consists of leading global experts representing the US, Europe and Japan



Sebastian Stintzing



Prof. Dr. med. MD Professor
Head of the Clinic for Hematology,
Oncology and Cancer Immunology at
Charité Universitätsmedizin in Berlin,
Germany



Heinz-Josef Lenz



MD Professor
Associate Director for Clinical
Research and Co-Leader of the
Gastrointestinal Cancers Program at
the USC Norris Comprehensive
Cancer Center, Professor of
Medicine and Preventive Medicine,
Section Head of GI Oncology in the
Division of Medical Oncology and
Co-Director of the Colorectal Center
at the Keck School of Medicine of
the University of Southern California,
USA.



Takayuki Yoshino



MD PhD.
Chair of the Japan Society of Clinical
Oncology, Deputy Hospital Director,
Head of the Division for the
Promotion of Drug and Diagnostic
Development, Chief of the
Department of Gastrointestinal
Oncology, National Cancer Center
Hospital East, Japan



Frits Peters



Professor
Professor emeritus at the Laboratory
of Medical Oncology, Amsterdam
University Medical Center; Professor
at the Medical University of Gdansk,
Poland, and honorary Professor of
Amity University i Noida, Indien.

Clinical development and commercialization in Japan in collaboration with partner *Solasia*

Isofol has licensed the rights to develop and commercialize arfolitixorin in Japan – one of the world's biggest pharmaceutical markets – to Solasia Pharma K.K., a company listed on the Tokyo stock exchange working to bring innovative treatments to Japan and other countries in Asia.

License agreement for development and commercialization

- Under a license agreement, Isofol is entitled to a double-digit royalty compensation based on net sales in Japan, as well as an upfront payment and milestone payments linked to development, regulatory, and sales-based targets.

Investments in clinical development and regulatory activities

- In the spring of 2025, Solasia announced its intention to invest approximately SEK 140 million in the upcoming clinical phase II and III studies of arfolitixorin in Japan, as well as in regulatory approval applications, financing a large part of the development costs in Japan.
- The work is being conducted in close collaboration with Isofol, which supports the Japanese development program and ensures that it aligns with development activities elsewhere and benefits regulatory processes in other geographic regions.

Partnership solidified by shareholding

- In addition to investments in clinical development, Solasia established in 2025 a shareholder position in Isofol, representing an approximate 2% ownership stake as of September 30, 2025.

Isofol has CMC and large scale GMP manufacturing in place – key partnership with Merck KGaA



DRUG SUBSTANCE / API

Merck KGaA Life Science owns and manufactures arfolitixorin – Isofol has global, exclusive rights for development and commercialization in oncology

- Strategic partnership between Isofol and Merck KGaA Life Science
- Composition of Matter / Drug Substance, production process and Drug Product patented by Merck
- Drug Substance / API production by Merck
- All use patents (clinical use / dosing regimens patented by Isofol



DRUG PRODUCT

Large-scale Drug Product manufacturing secured with Recipharm

- Several large-scale GMP batches completed and released for clinical studies



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High unmet medical need

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High-potential drug candidate

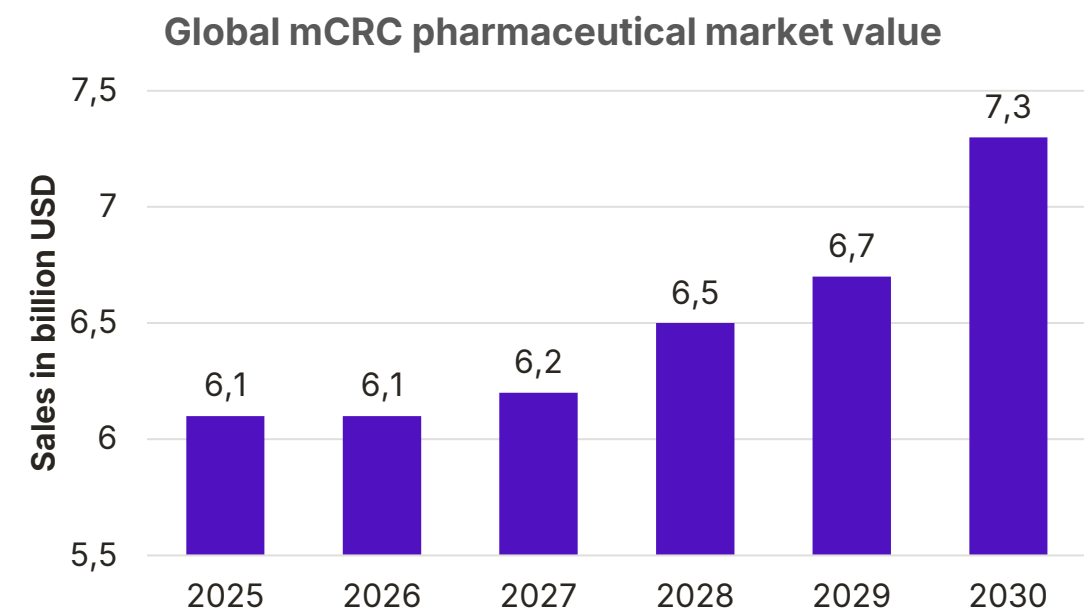
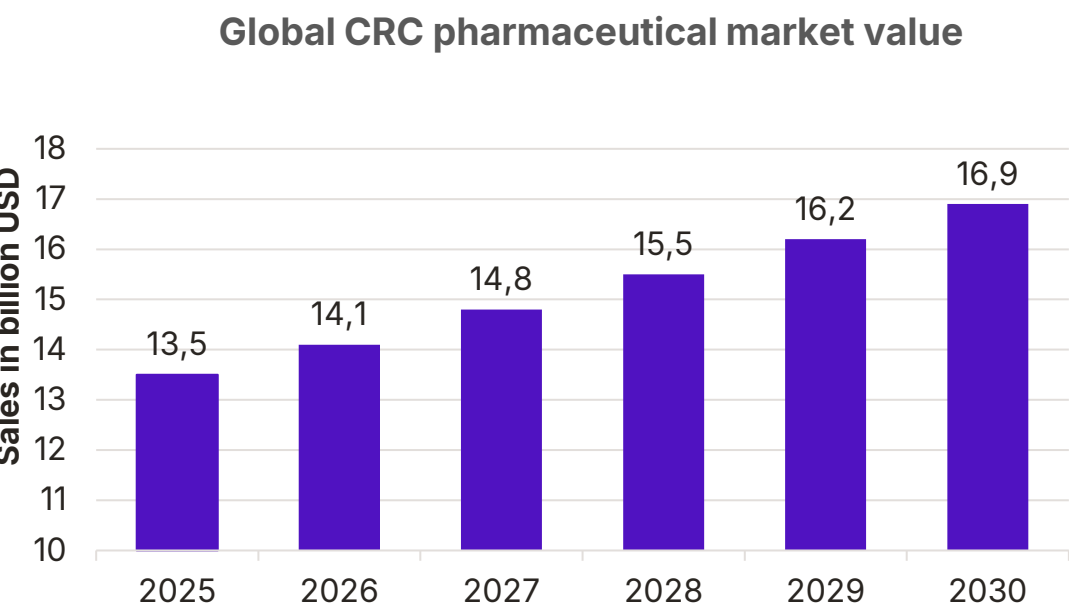
03

Large market opportunity

Arfolitixorin has blockbuster potential in the US in the lead indication alone – on a global CRC market estimated to be worth more than \$17 billion by 2030. Additional indications and markets could add to the opportunity.

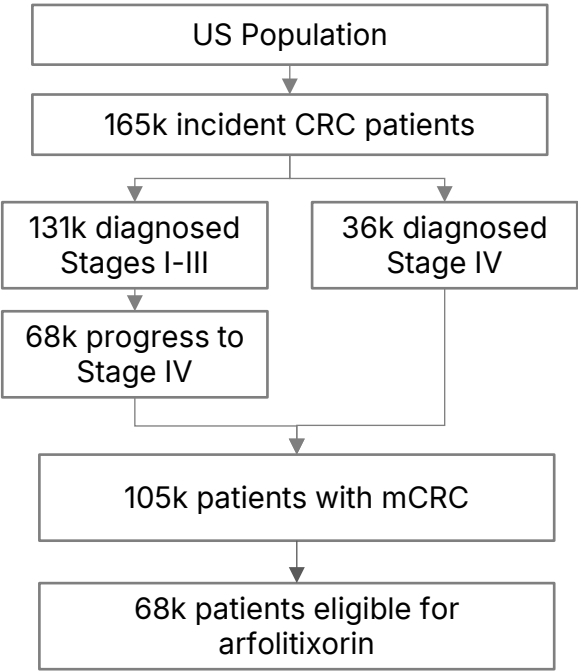
Large and growing market for CRC treatments as well as for the lead indication mCRC

The global market for CRC treatments is valued at \$13.5 B today and is expected to grow to \$16.9 B in 2030; whereas the mCRC market is expected to grow from \$6.1 B in 2025 to \$7.3 B in 2030.

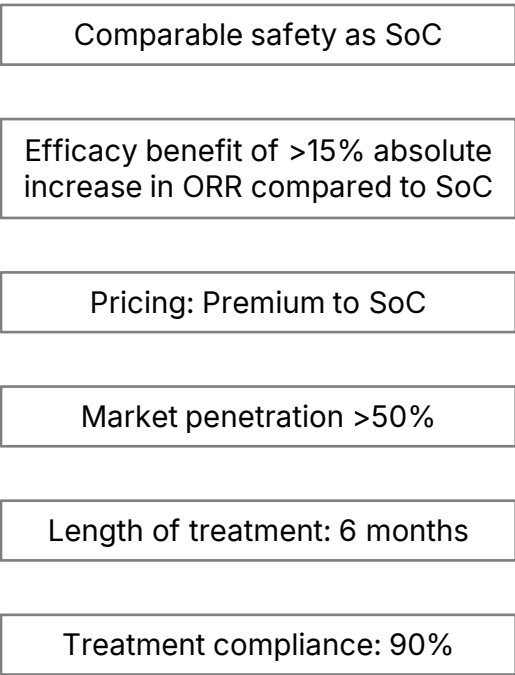


Blockbuster revenue potential in the U.S. in the lead indication mCRC alone

Patient flow:



Key assumptions:



1
billion USD

Gross yearly sales potential for arfolitixorin in the USA in the mCRC indication alone
- blockbuster potential -

Further opportunities beyond the lead indication in the US add to the potential as additional markets are added and the clinical use expands

1
billion USD

+

Additional markets ex-U.S.

Incl. e.g. **Japan, Canada**, Europe, Middle East, Asia.

Licensing partnerships already established in Japan (Solasia Pharma K.K) and Canada (Knight Therapeutics)

Solasia
 **Knight**

Additional indications

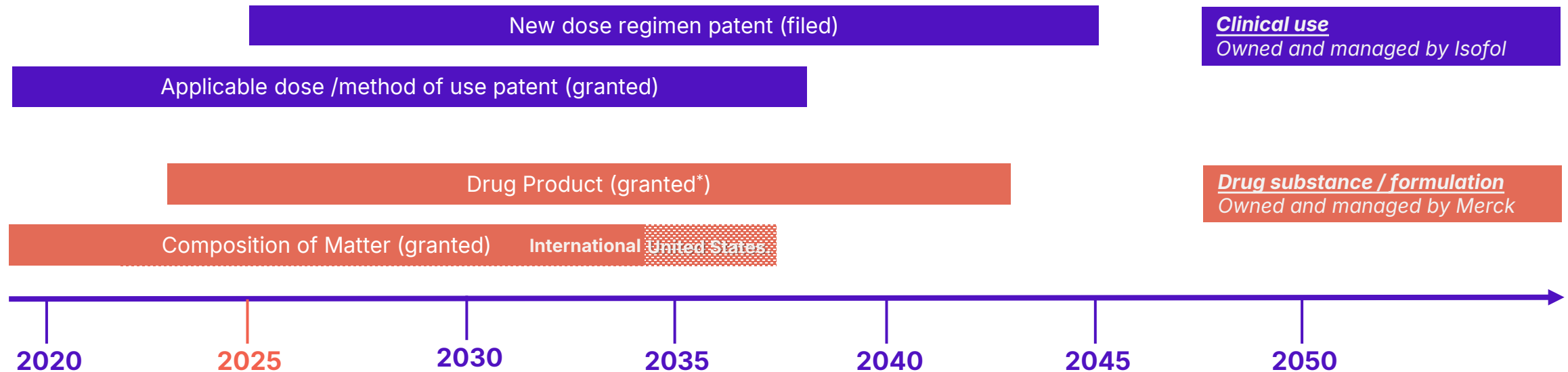
Adjuvant /neoadjuvant CRC,
other solid tumors where 5-FU + folates are used
(e.g. pancreatic, gastric, breast, head/neck)

Gross sales potential for
arfolitixorin in the USA in the
mCRC indication alone
- **blockbuster potential** -

Suite of patents provide for strong intellectual property protection

→ Both Isofol and Merck KGaA are actively working to protect and enhance arfolitixorin's suite of patents on the major markets (including but not limited to USA, Europe, Japan)

→ **Current patent portfolio (allowed/granted + new filings):**



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Management and Board



**Petter
Segelman Lindqvist**
Chief Executive Officer



Dr. Roger Tell, MD
Chief Medical Officer



Margareta Hagman
Chief Financial Officer



Jan-Eric Österlund
Chairman



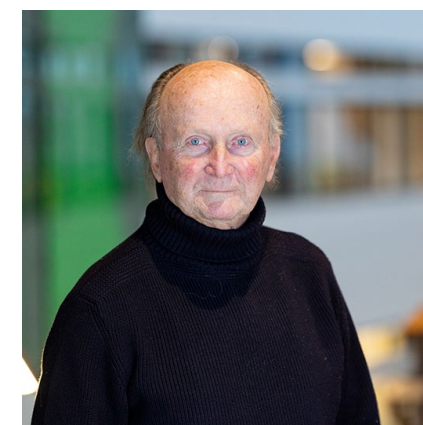
Prof. Sten Nilsson, MD
Board Director



Dr. Helena Taflin, MD
Board Director



Dr. Alain Herrera, MD
Board Director



Lars Lind
Board Director

The Isofol opportunity in short



Focusing on areas in oncology of high unmet medical need



Large amount of data available: de-risking development. CMC and large-scale manufacturing established.



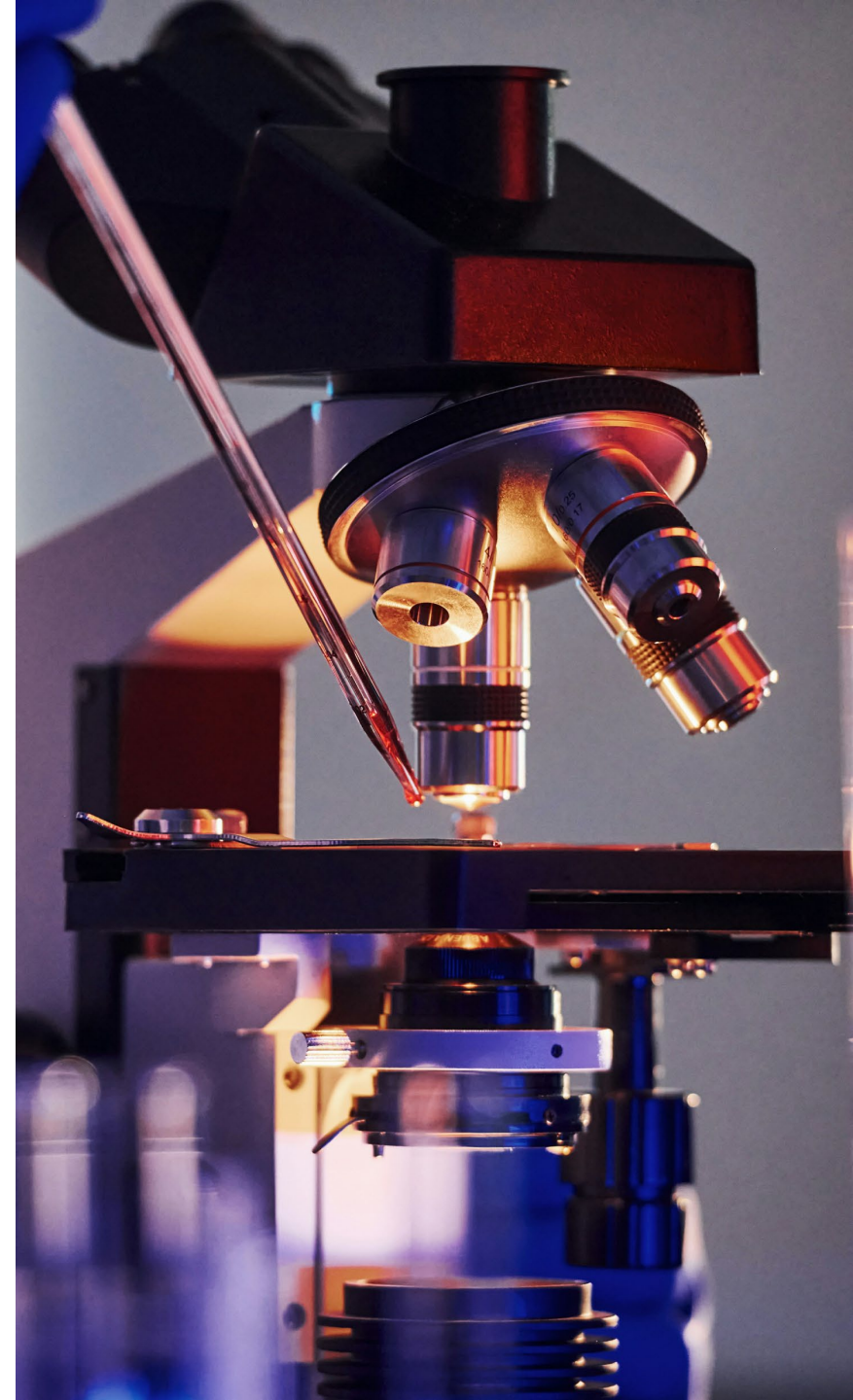
Next-gen version of an established mechanism of action with widespread clinical use: facilitates market adoption



Blockbuster potential, favorable competitive landscape and strong IP protection



Solid partner network and strong team in place to drive flawless and swift execution



Our goal

We aim to have a central impact on tomorrow's cancer treatment by giving millions of patients the opportunity to respond better to their treatment, improve their prognosis, and gain more time with life.

By this, we strive to create significant value for patients and their families, healthcare providers, shareholders and partners and ultimately for society at large.



ISO:FOI

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