Resource Summary Report

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European Gram Negative AntiBacterial Engine

RRID:SCR_003859
Type: Tool

Proper Citation

European Gram Negative AntiBacterial Engine (RRID:SCR_003859)

Resource Information

URL: http://nd4bb-enable.eu/

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Description: Consortium working to advance the development of potential antibiotics against Gram-negative bacteria, such as Escherichia coli. The project creates and manages a drug discovery engine for testing and optimizing molecules that are still in the earlier stages of drug discovery but have the potential to become future drug candidates capable of treating resistant Gram-negative infections. The project will focus on the discovery and pre-clinical stages of drug development, as well as (potentially) phase 1 clinical trials. ENABLE will run several drug discovery programs in parallel and the consortium seeks external hit and lead programs to join, through a series of open calls during the project. Researchers who have interesting molecules will have the opportunity to collaborate with a diverse range of experts in microbiology, pharmacology and chemistry to help advance their molecule through the drug development process until it is an attractive candidate for clinical testing. Specifically, the project is working towards: # identifying three antibacterial lead molecules which, following extensive testing, have been identified as having promising antimicrobial activity; # identifying two antibacterial clinical candidate molecules # advancing at least one compound into preclinical and phase 1 clinical studies, i.e. early clinical safety testing in humans.

Abbreviations: ENABLE

Synonyms: European Gram Negative Antibacterial Engine (ENABLE), European Gram-negative Antibacterial Engine

Resource Type: consortium, organization portal, data or information resource, portal

Keywords: drug, drug discovery, drug candidate, molecule, antibiotic, antimicrobial

resistance, drug development, tool development, basic research, clinical trial, pre-clinical, antimicrobial, antibacterial, gram-negative bacteria

Funding: Innovative Medicines Initiative ;
New Drugs for Bad Bugs ND4BB program ;
EFPIA

Resource Name: European Gram Negative AntiBacterial Engine

Resource ID: SCR_003859

Alternate IDs: nlx_158183

Record Creation Time: 20220129T080221+0000

Record Last Update: 20250420T014155+0000

Ratings and Alerts

No rating or validation information has been found for European Gram Negative AntiBacterial Engine.

No alerts have been found for European Gram Negative AntiBacterial Engine.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Zhao C, et al. (2022) Population pharmacokinetics of apramycin from first-in-human plasma and urine data to support prediction of efficacious dose. The Journal of antimicrobial chemotherapy, 77(10), 2718.

Sou T, et al. (2021) Model-Informed Drug Development for Antimicrobials: Translational PK and PK/PD Modeling to Predict an Efficacious Human Dose for Apramycin. Clinical pharmacology and therapeutics, 109(4), 1063.

Juhas M, et al. (2019) In vitro activity of apramycin against multidrug-, carbapenem- and aminoglycoside-resistant Enterobacteriaceae and Acinetobacter baumannii. The Journal of antimicrobial chemotherapy, 74(4), 944.

Cybulski JS, et al. (2014) Foldscope: origami-based paper microscope. PloS one, 9(6), e98781.