

Drug Repurposing Guidebook

Building Block E143

This document defines the content of the FACT SHEET to be created for each identified tool, incentives, initiative or practice (the Building Block) introduced by public bodies or used by developers to expedite drug repurposing in Rare Diseases (RDs).

ITEM	DESCRIPTION
Building Block (BB) Title	EU openscreen
References	https://www.eu-openscreen.eu/
Description	<p>EU-OPENSREEN integrates high-capacity screening platforms throughout Europe. These platforms use several specially selected EU-OPENSREEN compound collections, which are centrally stored and managed at the EU-OPENSREEN laboratory facility on the Research-Campus Berlin-Buch (Germany).</p> <p>All compound structures and primary screening data will be published in the open-access European Chemical Biology Database (ECBD), where they are made available to a wide scientific audience.</p> <p>EU-OPENSREEN collaboratively develops novel molecular tool compounds and early therapeutic candidate molecules together with external users from various disciplines of the life sciences.</p>
Category	Compound and network databases and tools to use them
Type of BB	Development resource
Geographical scope	Europe
Availability	<p>Researchers from academia and industry from countries inside and outside of the European Union</p> <p>Open source database</p>

ITEM	DESCRIPTION
Scope of use	New knowledge: <ul style="list-style-type: none"> - To discover new targets - To optimize the compounds - To test the compounds functions and properties - For repurposed drug development
Stakeholders involved	Chemists, pharmacologists, biologists, bio-informaticians, artificial intelligence scientists
Enablers/ Requirements	Clinicians Drug developers: Start-ups, Pharmaceutical industries Compliant with national/regional regulations
Output	Pre-clinical studies
Best time to apply and time window	Drug repurposing candidate discovery
Expert tips	Interesting to have a look at in the early phases. However, you need to have a clear development plan in order to make best use of this resource.