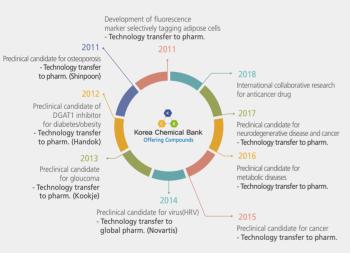
# Achievements of KCB

### Benefits for depositor

- Chance to collaborate with library users
- Sharing of research results (or products) with library users

### Achievements

•Representative examples for contribution on discovery of preclinical candidates









# We take care of your Compounds and Create new value





Innovative new drug

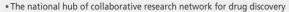
#### 한국화합물은행 C B Korea Chemical Bank

Korea Research Institute of Chemical Technology, Korea Chemical Bank 141 Gajeong-ro, Yuseong-gu, Daejeon 34114, Korea Tel : +82-42-860-7190 Fax : +82-42-860-7096 E-mail : chembank@krict.re.kr Web : http://www.chembank.org

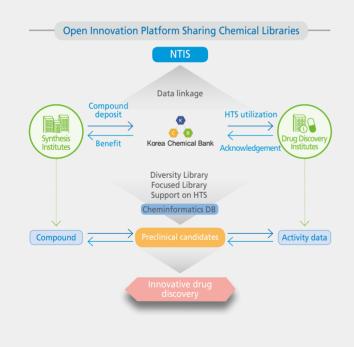
# Korea Chemical Bank

Value up of Chemical Libraries through Open Sharing

# Role of Korea Chemical Bank (KCB)



- Establishment of national platform for new drug discovery and chemical biology through collection, management, and provision of biologicallyrelevant chemical libraries.
- Designated as the Korea National Chemical Repository since 2010 by the MSIT of Korea.
- Promotion of collaborative researches between depositors and users of KCB compounds.

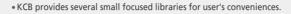


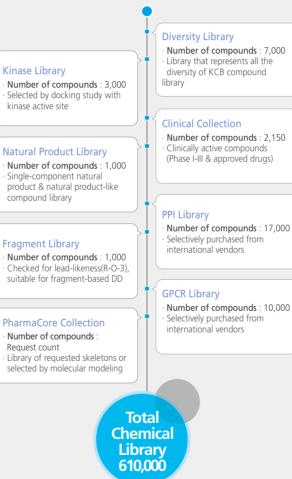
#### KRÌCT 🖧 한국화합물은행 Korea Chemical Bank

# Collection & Utilization of KCB Library

### **Classification of KCB Library**

**Chemical Library Types** 



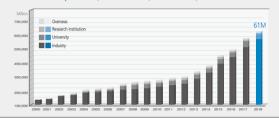


## Collection of KCB Library

#### • Collection of biologically-relevant chemical library for drug discovery

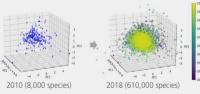
- Deposited from Korea research groups as their research products
- Commissioned syntheses by experts
  Strategically purchased from international vendors to expand the diversity

#### • Number of compounds (accumulated, 2000~2018)



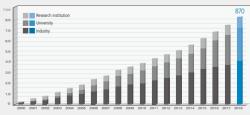
### Diversity of KCB Library

• Chemical space of KCB chemical library is continuously expanding by increments of scaffold diversity.



### Utilization of KCB Library

- KCB has provided more than 6 M compounds for > 810 projects to industry and academia
- Number of HTS projects supported (accumulated, 2000~2018)
- KCB supported 13 projects by providing data.



Served amount :  $5\mu Q$ , 5mM in DMSO