

Antiprotozoal Library

The Library comprises compounds resulting from similarity search against reference sets of compounds displaying activity towards the most dangerous protozoa. The reference sets were taken from the most reliable inhibitor databases (ChEMBL, BindingDB). According to the inhibitory activity data (lower than 1 μM) and number of compounds in the reference subsets, the Tanimoto similarity index was set up in the range of 0.80 – 0.85.

List of targeted protozoa families and species:

- *Leishmania mexicana*
- *Trypanosoma cruzi*
- *Trypanosoma brucei brucei* (strain 927/4 GUTat10.1)
- *Leishmania major*
- *Trypanosoma brucei brucei*
- *Toxoplasma gondii*
- *Cryptosporidium parvum*
- *Trypanosoma brucei*
- *Giardia intestinalis*

Over **4,400** resulting potentially active compounds have formed the Life Chemicals Antiprotozoal Library.