Lhasa Limited

Expert knowledge-based software

for the prediction of toxicity

Using structure activity relationships (SAR) created by Lhasa's scientific experts, Derek provides an early indication of the potential toxicity of query compounds.

Reducing Risk in R&D

Save time and money by identifying potentially toxic chemicals, thereby reducing risk in research and development.

Extensive Coverage of Chemical Space

Derek alerts are built on public, proprietary and regulatory data (including data from the FDA).

Expert ICH M7 Support

Derek predictions are accepted by regulators under the ICH M7 Guideline.

Negative Predictions Provided

Rather than an “out of domain”, Derek provides negative mutagenicity predictions when compounds do not fire any bacterial *in vitro* mutagenicity alerts.

Auto-Classification

A user editable ICH M7 classification is derived from the predictions provided by Derek and Sarah.

Skin Sensitisation Potency Predictions

A Nearest Neighbour model is used to predict EC3 values for compounds that fire a skin sensitisation alert.

Rapid Toxicity Assessment

Derek can swiftly provide single or batch predictions for the toxicity of query compounds.

Transparent Predictions

Predictions are clearly represented and contain supporting evidence and patterns associated with the alerts for your compound.

THE QUEEN'S AWARDS FOR ENTERPRISE: INNOVATION 2016

Derek nexus