AMEDEO

ALTORIS, INC.
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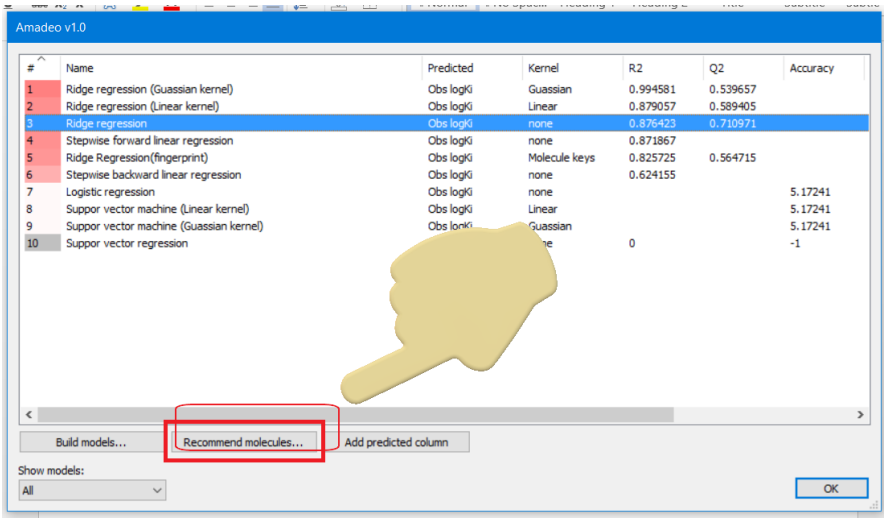
DISCOVER FASTER



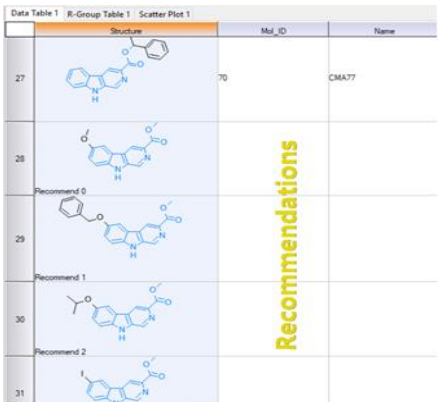
AMEDEO is your personal consultant in chemoinformatics, who gets you to answers and recommendations, not just more graphs and charts.

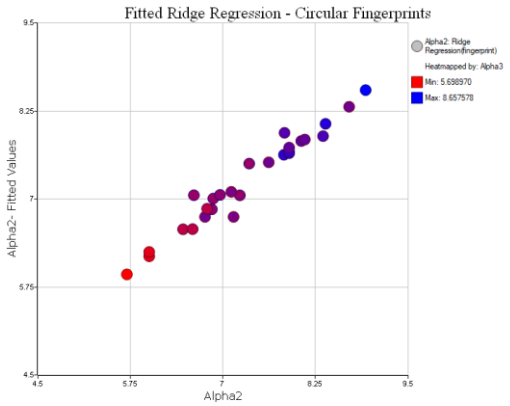
AMEDEO is built using the latest tools in data science to speed up your lead optimization cycle.

DATA SCIENCE FOR LEAD OPTIMIZATION

AMEDEO will **LEARN** about your data, **BUILD** and **SELECT** the most predictive models, and make clear **RECOMMENDATIONS** as to what compounds to make next. AMEDEO can take into account your multiple wishes as it recommends your next steps.

AMEDEO can consider not only your need for good affinity but also selectivity or efficacy. As long as you have some data to guide AMEDEO, it will be able to include multiple factors at once it in its decision making.





Just answer a few simple questions about your goals and AMEDEO will make recommendations for **Biologics** or **Small Molecules**.

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AMEDEO FACTSHEET

AMEDEO runs on top of SARvision | SM and SARvision | Biologics.

AMEDEO KNOWS

Stepwise forward linear regression
Stepwise backward linear regression
FreeWilson (SVSM only)
Regression With feature regularization (Ridge no kernel)
Logistic regression
Support Vector Machine (SVM) Gaussian and Linear kernels
Ridge Regression Gaussian kernel
Ridge Regression linear kernel
Principal Component Analysis (dimensionality reduction)
Genetic Algorithms
Composite model of same Y column prediction
Composite of different Y predictions

AMEDEO IS LEARNING (Coming soon)

Neural Net & Deep Learning Strategies
Decision Trees and Random Forests

AMEDEO BUILDS ITS KNOWLEDGE ON:

Analysis is carried out using R-groups. Properties are associated to the R-groups include:

AlogP, Polar Surface Area, Total Surface Area, Topological Indices (for example hka, kapp1, kappa2, kappa3; chi0n, etc.); number of rotatable bonds, hydrogen bond donors, hydrogen bond acceptors, number of heteroatoms, number of amide bonds, number of CSP3 atoms, number of aromatic rings; group charge; amino acid chirality.

Fingerprint based analysis using Morgan's Circular Fingerprints.

AMEDEO will soon incorporate data you provide about the R-groups or the molecule as a whole.