

"INTEGRATED CONCEPT" for INSILICO SCREENING & DRUG DESIGN

ACTIVITY, ADME, TOXICITY, PROPERTY ANALYSIS AND PREDICTION



In Silico Data, Ltd.

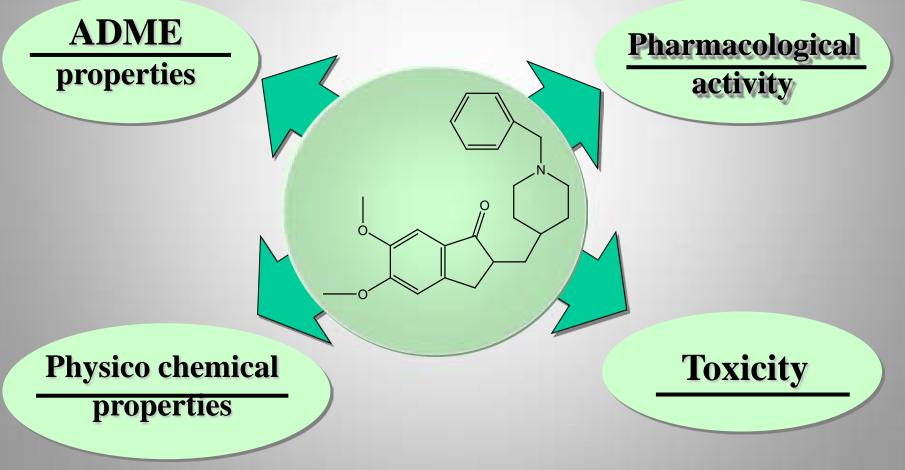


"Integrated" concept
— Application pattern of integrated concept —
"Integrated in silico screening" "Integrated in silico drug design"
<i>— Multivariate and pattern recognition</i> <u>From pattern analysis to scientific analysis</u>
— High classification and prediction rate
KY-methods and Tailor made modeling



"Integrated" concept

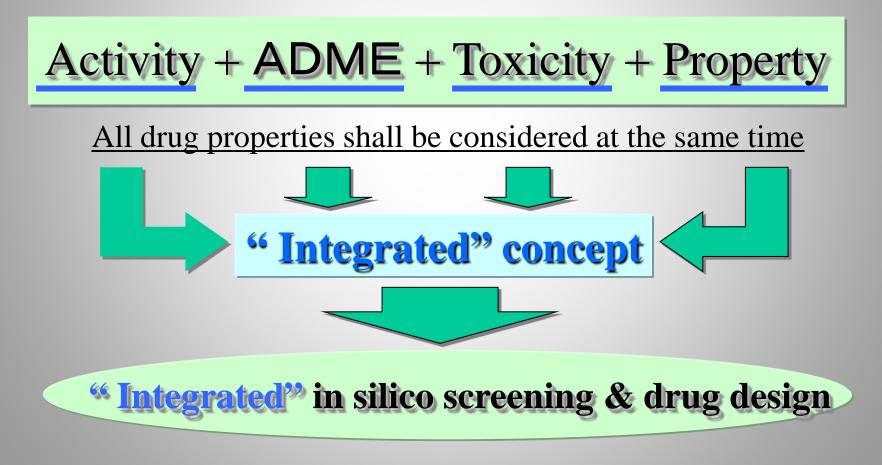
Drug properties and compound structure





"Integrated" concept

"Integrated" concept for drug development



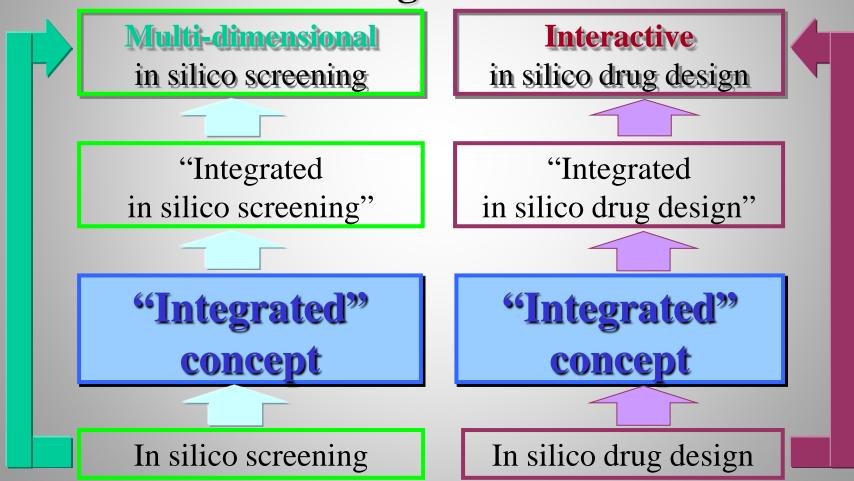


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2	Application pattern of integrated concept "Integrated in silico screening" "Integrated in silico drug design"
3	<i>— Multivariate and pattern recognition</i> <u>From pattern analysis to scientific analysis</u>
4	— High classification and prediction rate by <u>KY-methods and Tailor made modeling</u>



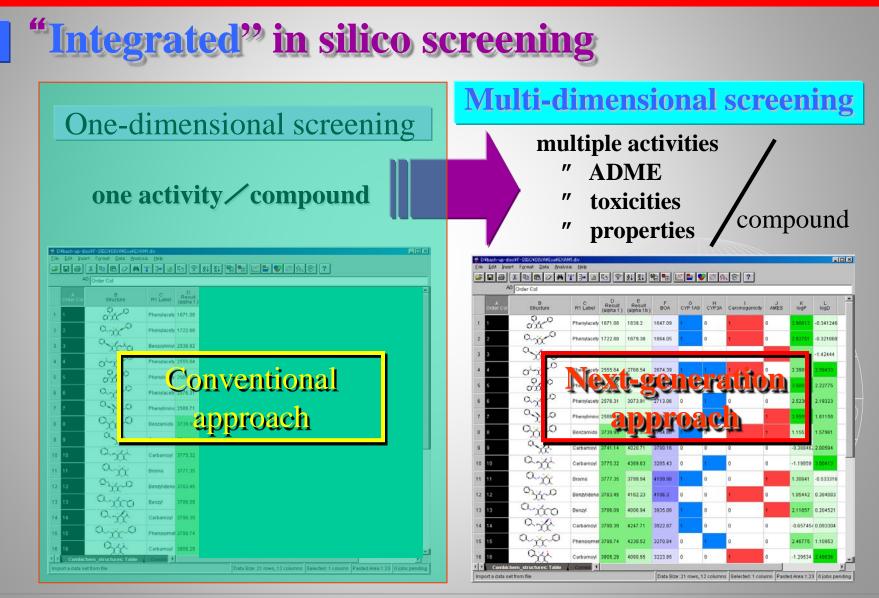
Application pattern of integrated concept Two application style of

"Integrated"





Application pattern of integrated concept



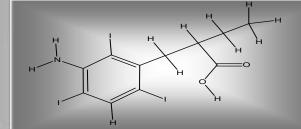


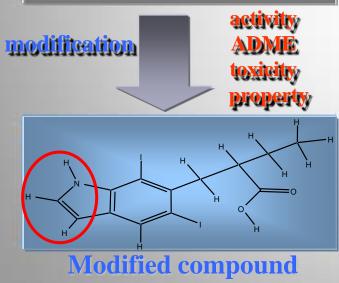
Application pattern of integrated concept

"Interactive and real-time" drug design

* Check the effects of structure modifications on compound properties real-time

Starting compound





antibacterial	Anti-infla mmatory	anticancer	 pesticide
carcinogenicity	Ames test	LD50	 others

ADME and properties

Caco-2	BBB	СҮР	
LogP	рКа	LogD _{7.4}	

antibacterial	Anti-infla	anticancer	 pesticide
	mmatory		
carcinogenicity	Ames test	LD50	 others

Information on different properties of different compounds is available anytime

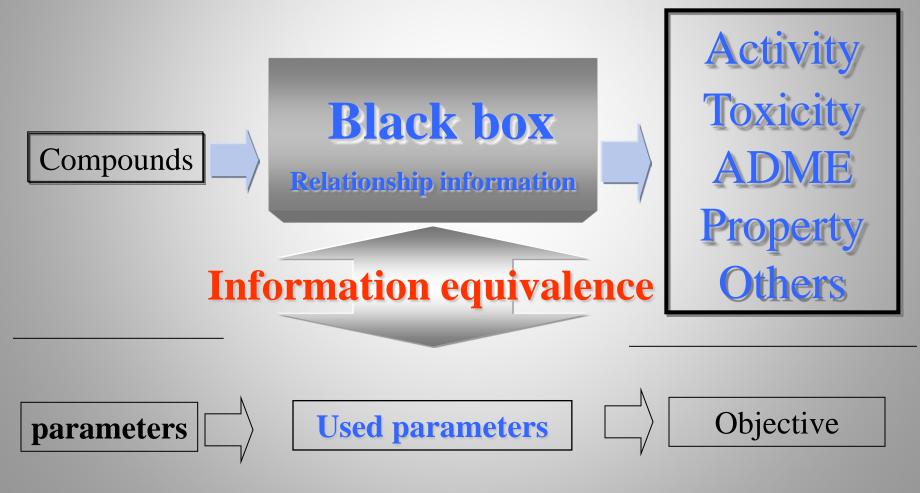


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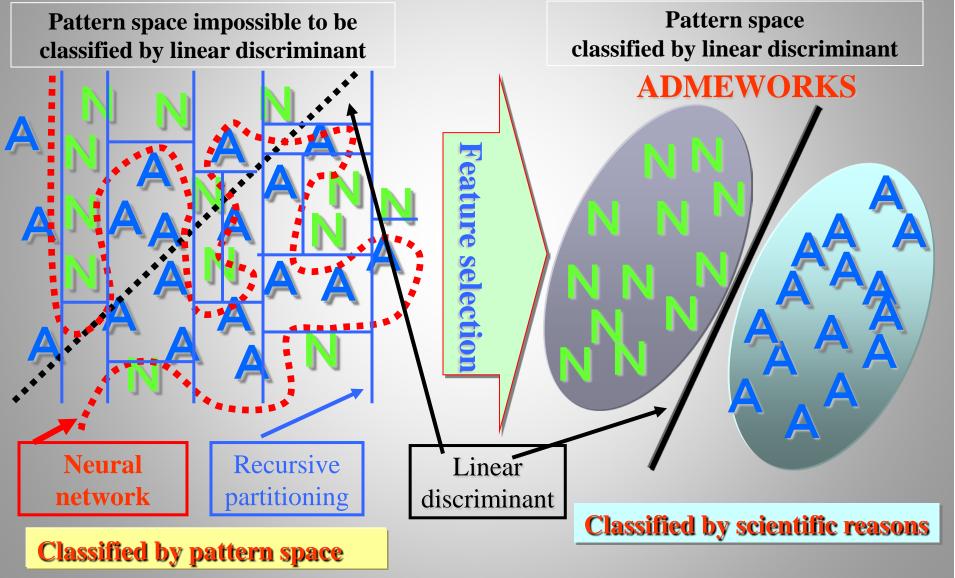
Multivariate and pattern recognition

Basic priniciple of data analysis by MVA & PR



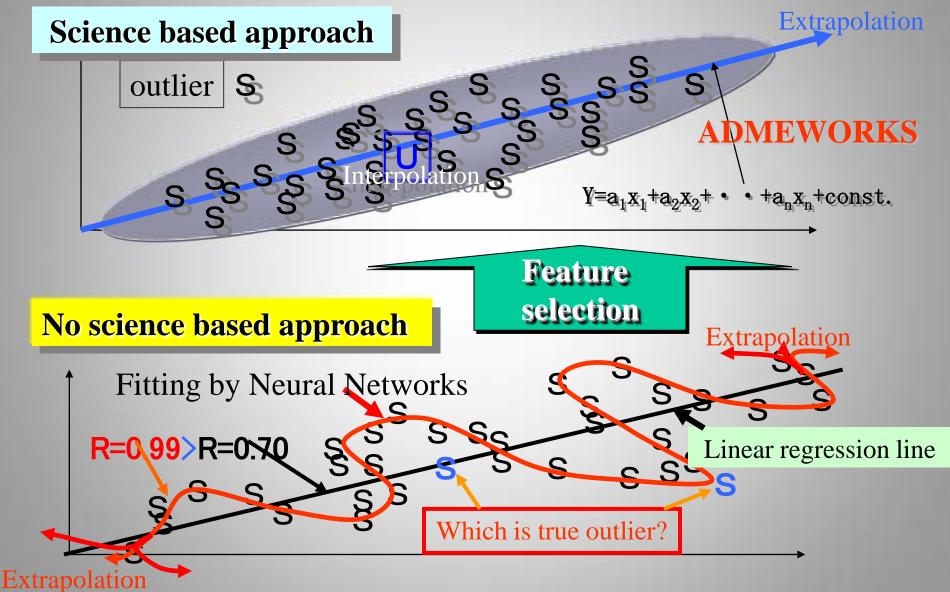


Simple classification and scientific classification





Simple fitting and scientific fitting





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