2011년 2월 Thomson Reuters Integrity 업데이트

Thomson Reuters 한국지사

김 문선

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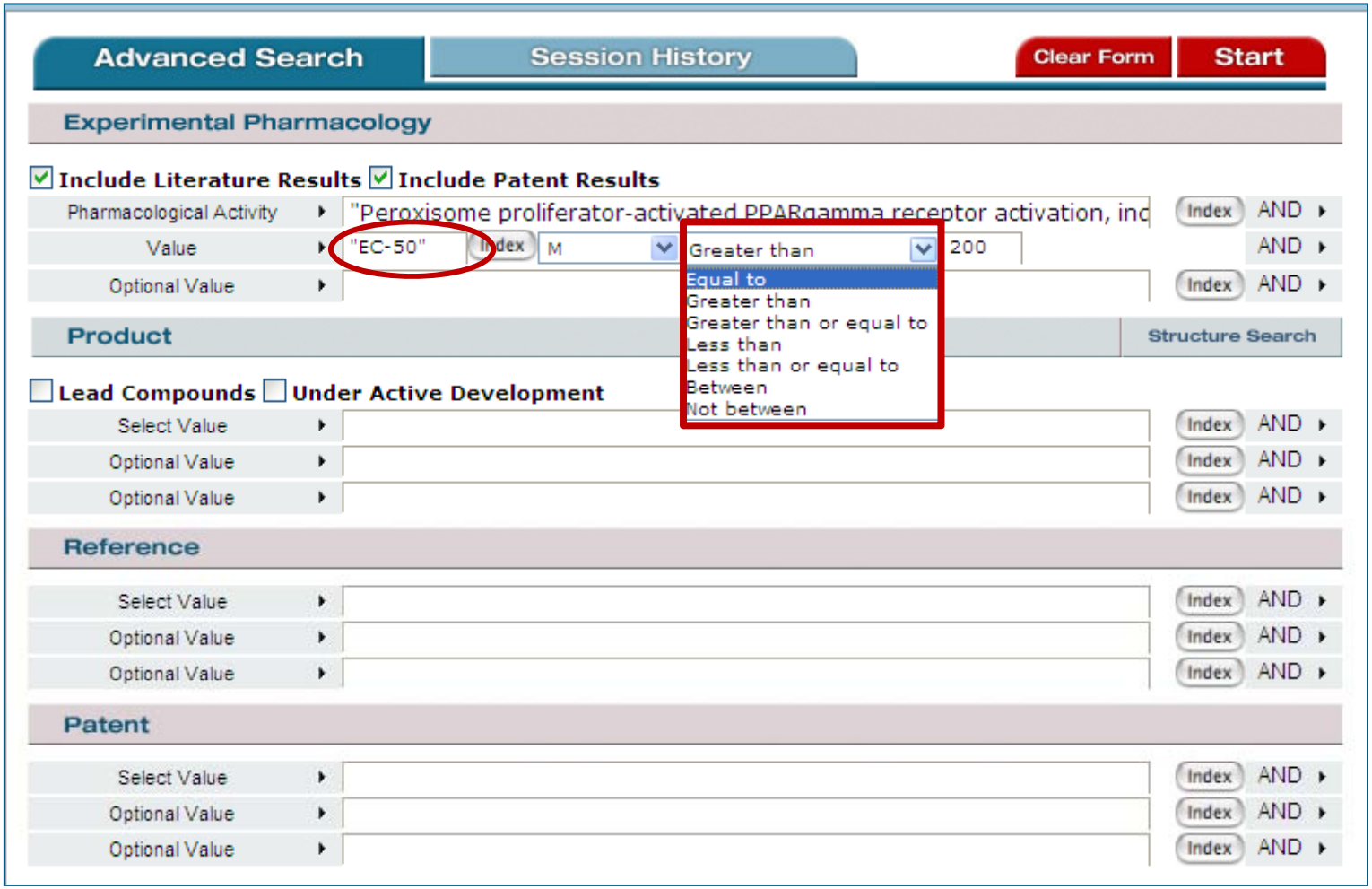
2월 업데이트 개요

- Parameter and Value Range
- New Experimental Activity Field
- Target Record Redesign
- Targetscape Enhancements
- Others

1. Parameter 와 범위 값으로 검색

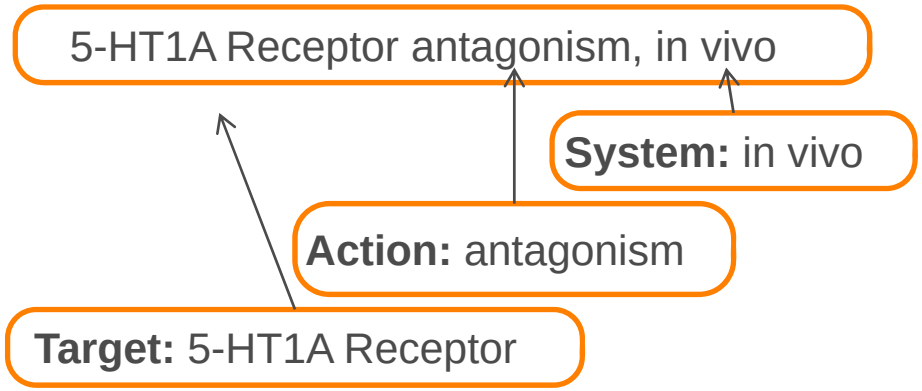
- Experimental & Pharmacology 검색에서 value 추가 및 범위 지정 가능
  - 이용자가 직접적으로 원하는 검색 수행 가능
  - 불필요한 데이터 나열을 제거함으로써, 시간 절약

Experimental Pharmacology- 값 & 범위 지정

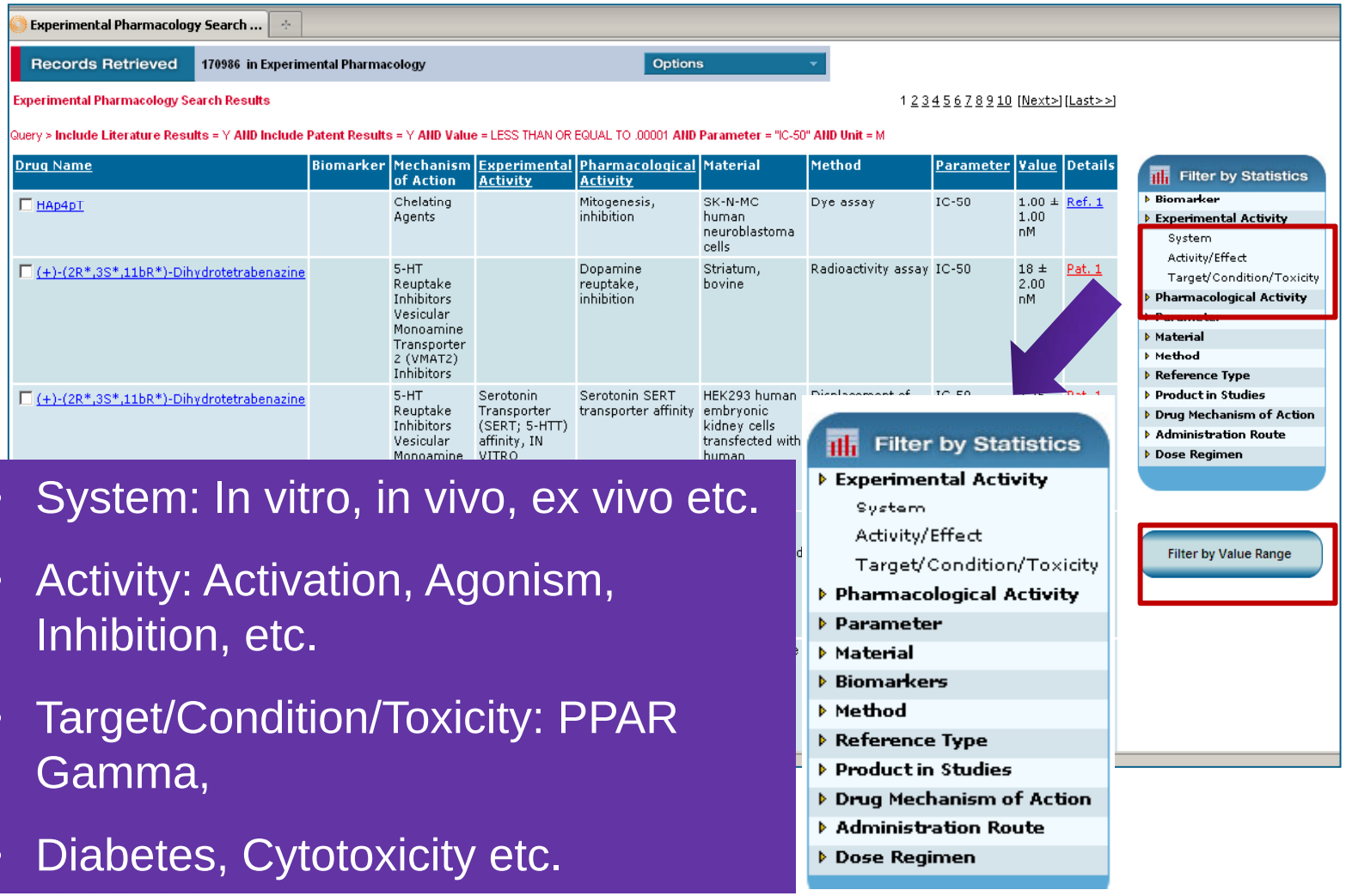


2. Experimental & Pharmacology 새 콘텐츠

- 새 Experimental Activity 콘텐츠
  - 새로운 콘텐츠를 통한 이용의 편의성 향상
  - 표준 용어 사용으로 MOA, 타겟, 활성화, vivo/vitro 데이터의 검색 용이성 향상
- 다양한 필드 추가
  - Experimental Activity
  - System
  - Activity/Effect
  - Target/Condition/Toxicity

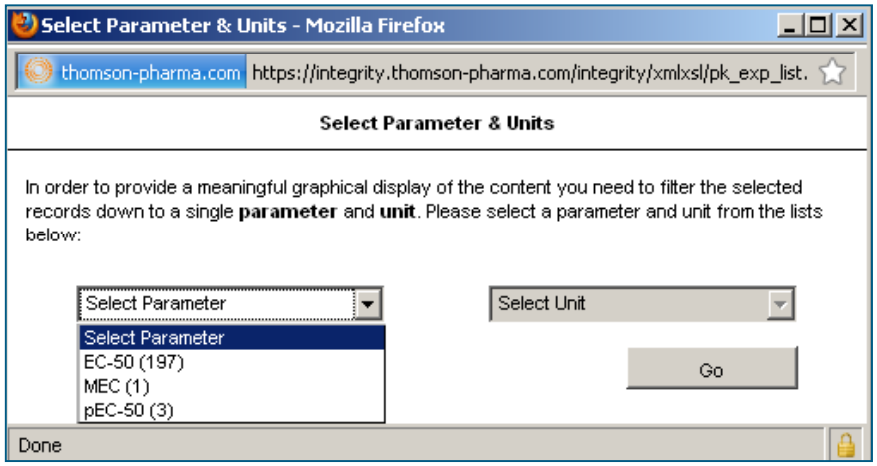


검색 결과 – Experimental Activity or filter by range



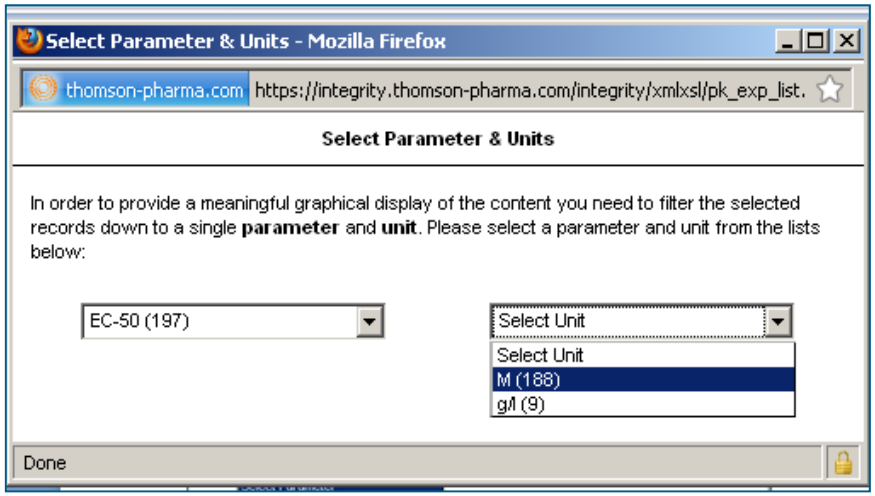
- System: In vitro, in vivo, ex vivo etc.
- Activity: Activation, Agonism, Inhibition, etc.
- Target/Condition/Toxicity: PPAR Gamma,
- Diabetes, Cytotoxicity etc.

Filter by Range – 팝업 창



- 드롭 다운리스트에서 파라미터 선택

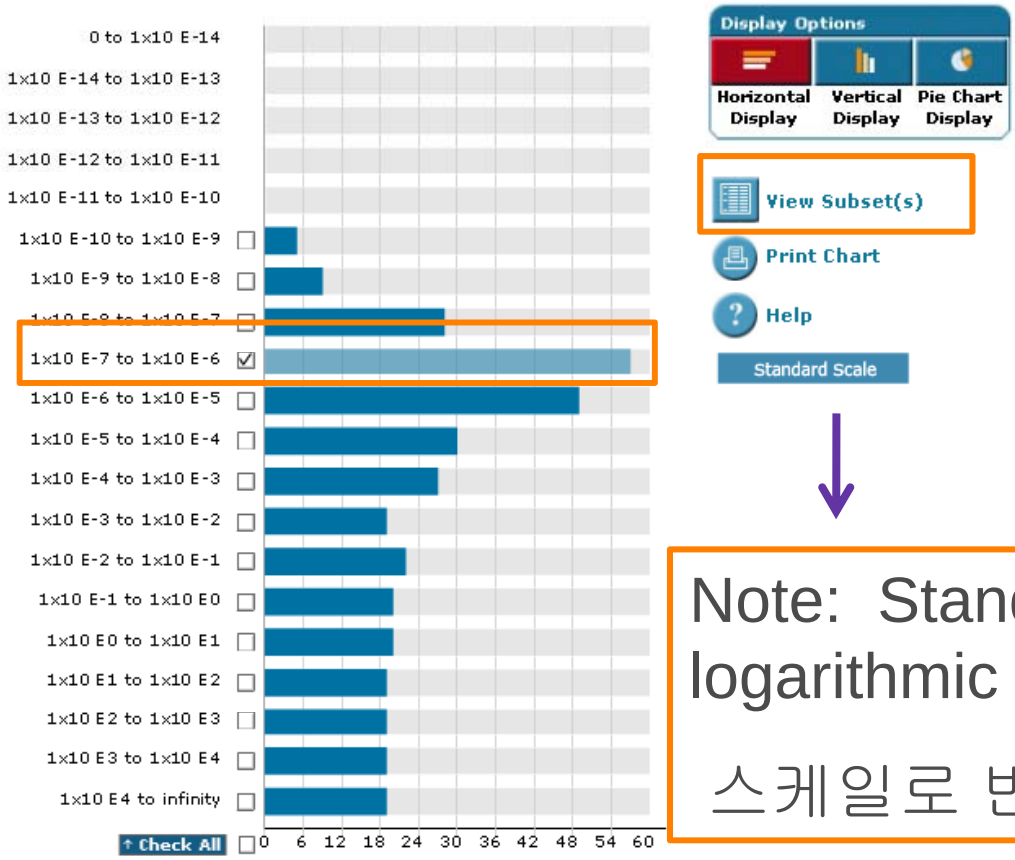
- 괄호 안의 숫자는 각 파라미터를 위한 실험 값을 의미



-드롭 다운리스트에서 파라미터 선택

- 괄호 안의 숫자는 단위별 실험 값을 의미

필터링 된 검색 결과



Note: Standard 과 logarithmic

스케일로 변환 가능

Source: Thomson Reuters Integrity

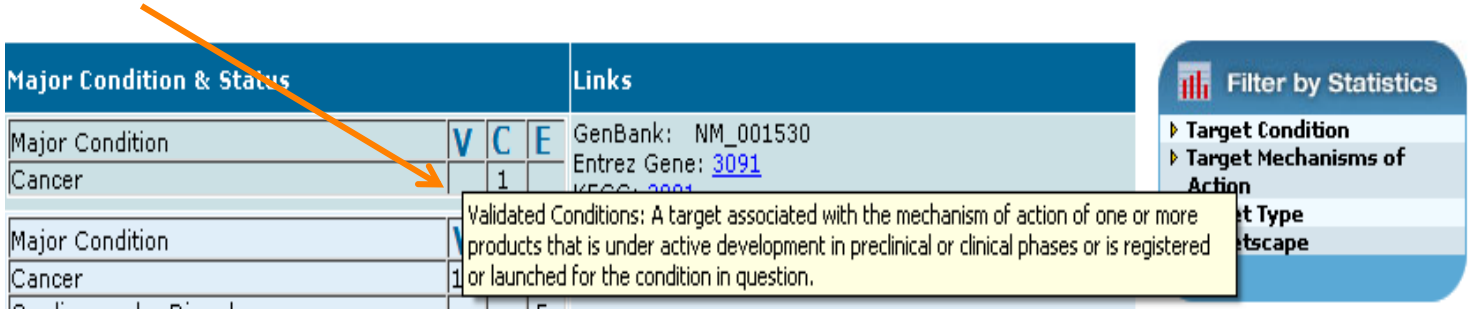
3. Target 검색 결과 디자인 변경

- 타켓 결과 페이지에 있던 긴 컨디션 리스트 축소
  - 타겟과 관련된 치료영역별 개요 보기
  - Validated, Candidate & Exploratory conditions 숫자보기

Target Name	Type	Major Condition & Status	V	C	E	Links
HIF1A variant 1	Gene	Major Condition				GenBank: NM_001530 Entrez Gene: 3091 KEGG: 3091
		Cancer		1		
Hypoxia-inducible factor 1-alpha (HIF-1alpha) (isoform 1)	Protein	Major Condition	V	C	E	Swiss-Prot: P52630 PDB: 1H2K, 1H2L, 1H2M, 1L3E, 1L8C
		Cancer	12	4		
		Cardiovascular Disorders			5	
		Dermatological Disorders			1	
		Endocrine Disorders		1	1	
		Eye Disorders	2			
		Hematologic Diseases			1	
		Immunological Disorders			1	
		Metabolic Diseases		1		
		Musculoskeletal and Connective Tissue Disorders	1			
		Neurological Disorders		1		
		Other disorders (Systemic disorders)	1		1	
		Renal Disorders			1	
		Respiratory Disorders		1		

3. Target 검색 결과 디자인 변경

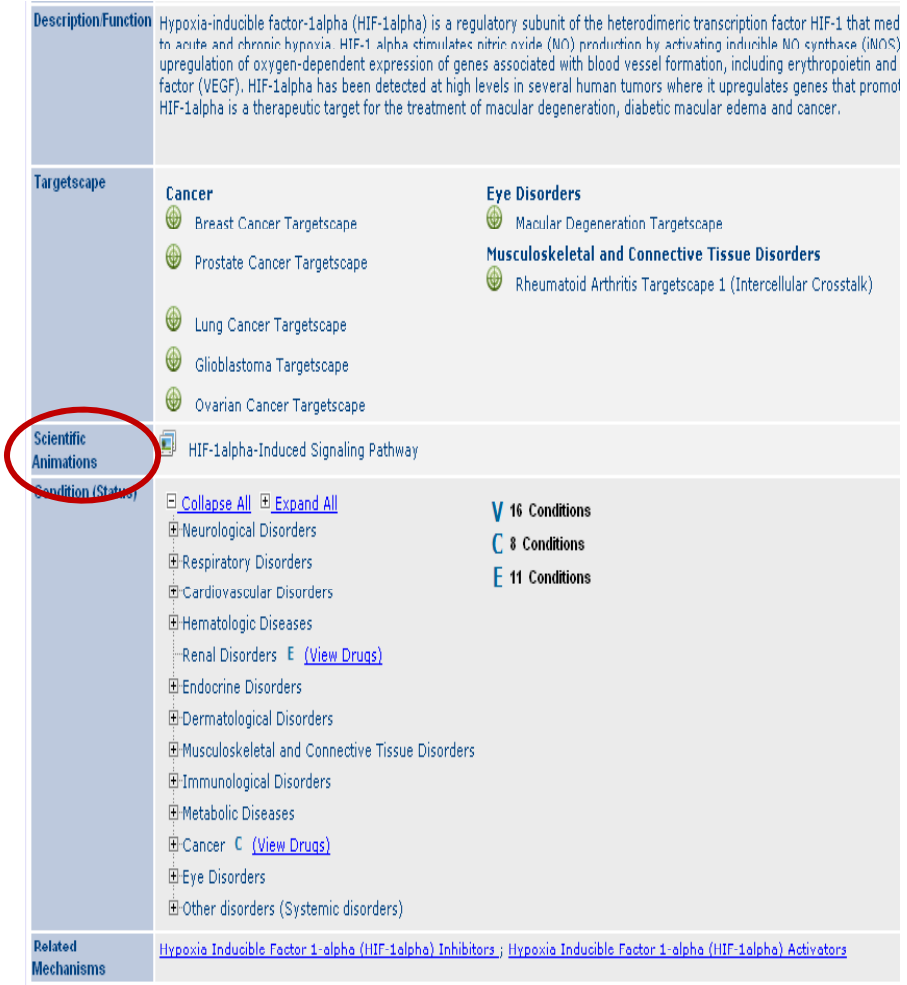
- 'Exploratory' status 소개



  - **Validated**: A target associated with the mechanism of action of one or more products under active development in preclinical or clinical phases or is registered or launched for the condition in question.
  - **Candidate**: A target associated with one or more products previously reported to be under active development in preclinical or clinical phases but no longer under active development for the condition in question.
  - **Exploratory**: A target associated with one or more products undergoing Biological Testing for the condition in question.

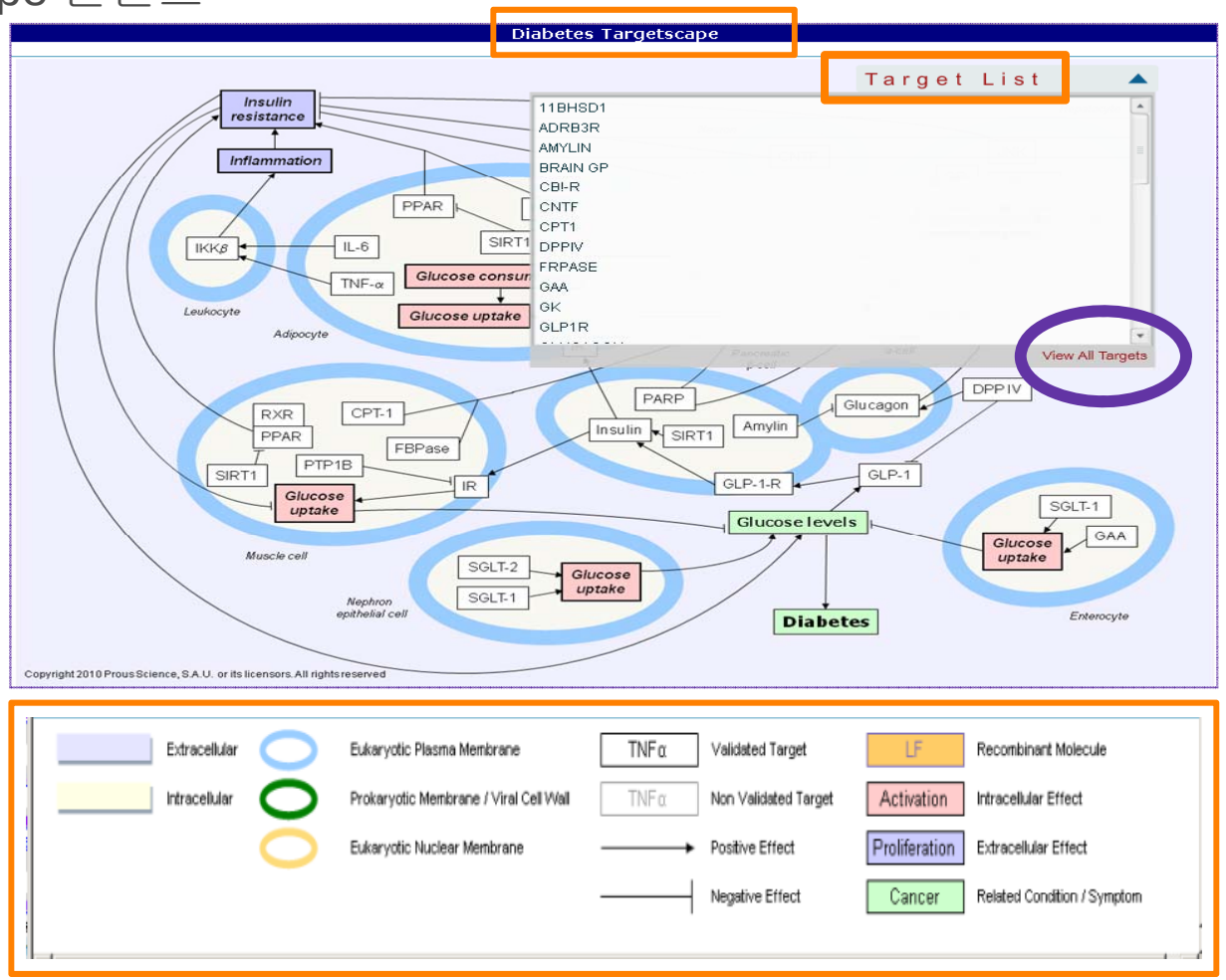
3. Target 검색 결과 디자인 변경

- 계층화된 구조로 표기 되는 Targetscapes
  - 상위 레벨의 치료영역으로 구성
- Images & Pathways 재구성
  - Scientific Animations 으로 명칭 변경
  - 아이콘으로 표시
- Conditions 표기 변경
  - 계층적 트리 구조 사용



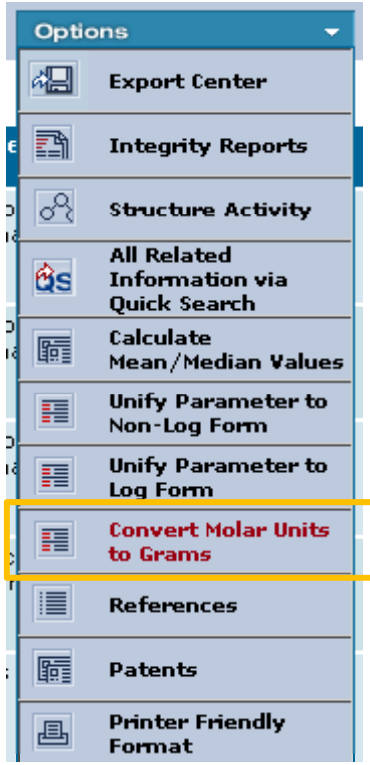
4. Targetscape 개선

- 개선된 Targetscape 콘텐츠
  - Title
  - List of Targets
  - Legend



4. Others - Option 메뉴 추가

- Experimental Pharmacology '**Options Menu**'의 새 메뉴
- Convert Molar units to Grams
- 레코드의 molar 단위를 grams 으로 변경 표기
- 정렬 순서는 변경 없이 단위만 변경됨



4. Others - Experimental Activity 보기 변경

•Results view change

Experimental Pharmacology Search Results

1 2 3 4 5 6 7 8 9 10 [Next>] [Last>>]

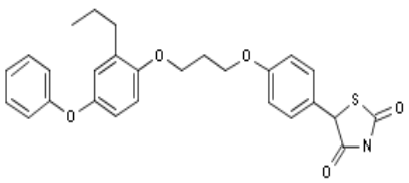
Drug Name	Biomarkers	Mechanism of Action	Experimental Activity	Pharmacological Activity	Material	Method	Parameter	Value	Details
Olanzapine		5-HT2A Antagonists Dopamine D2 Antagonists	5-HT1A Receptor agonism, IN VITRO	G-Protein (receptor-linked) activation, induction	CHO Chinese hamster ovary cells transfected with human 5-HT1A receptor	[35S]-GTPgammaS binding assay	EC-50	6.22 ± 3.50 µM	Ref. 23

•SAR view change

Experimental Activity: PPARgamma activation, IN VITRO

Pharmacological Activity: Peroxisome proliferator-activated PPARgamma receptor activation, induction

Parameter: EC-50

Drug Name & Structure	Mechanism of Action	Material	Method	Value	Details
278358 	PPARgamma Agonists	COS monkey kidney cells (SV40-transformed) transfected with human receptor	Transactivation assay	0.300 µM	Ref. 69

Hierarchical view of Experimental Activity, Pharmacological Activity, and Parameter.

사용 중 문의..

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