



CLINICALpharmacology

Clinical Pharmacology User Guide

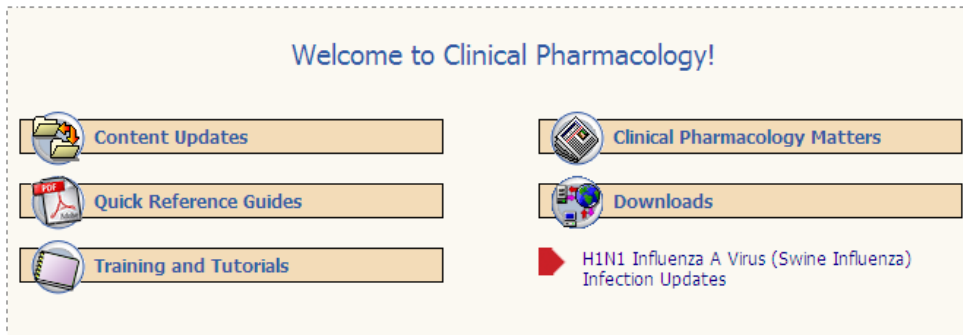
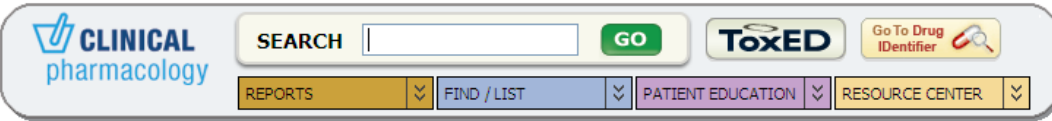
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Clinical Pharmacology

- About Clinical Pharmacology 소개
- Main Page
- Search
- Monographs
- Report
- FIND / LIST
- MedCounselor Sheets
- Clinical Calculators
- Drug Identifier

Clinical Pharmacology

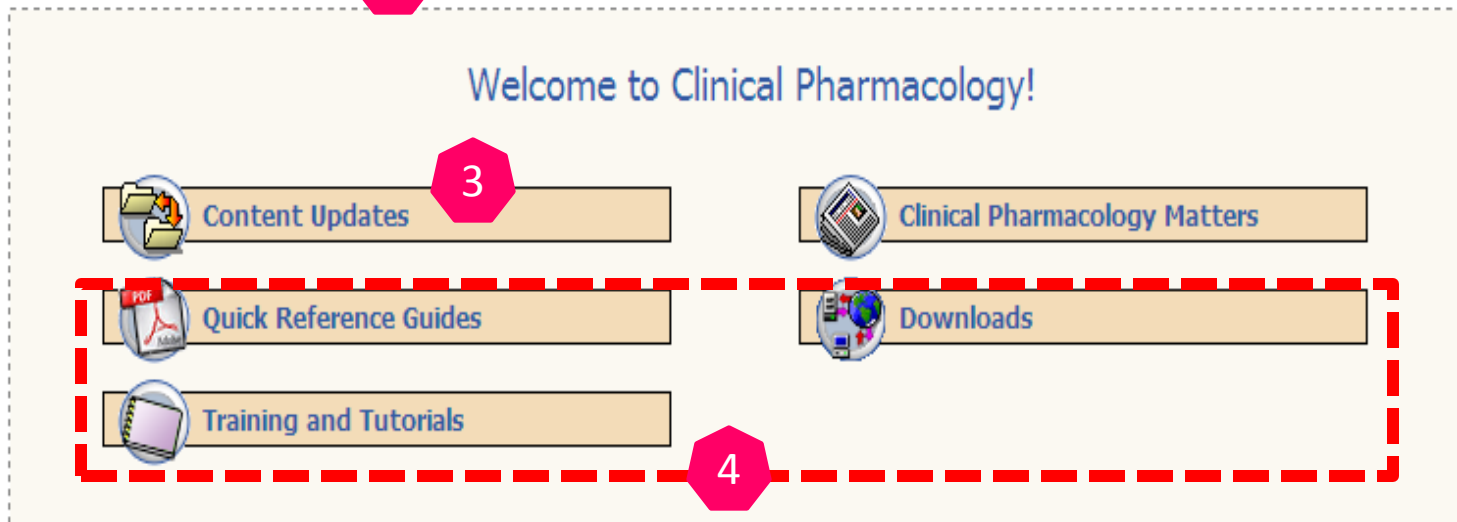
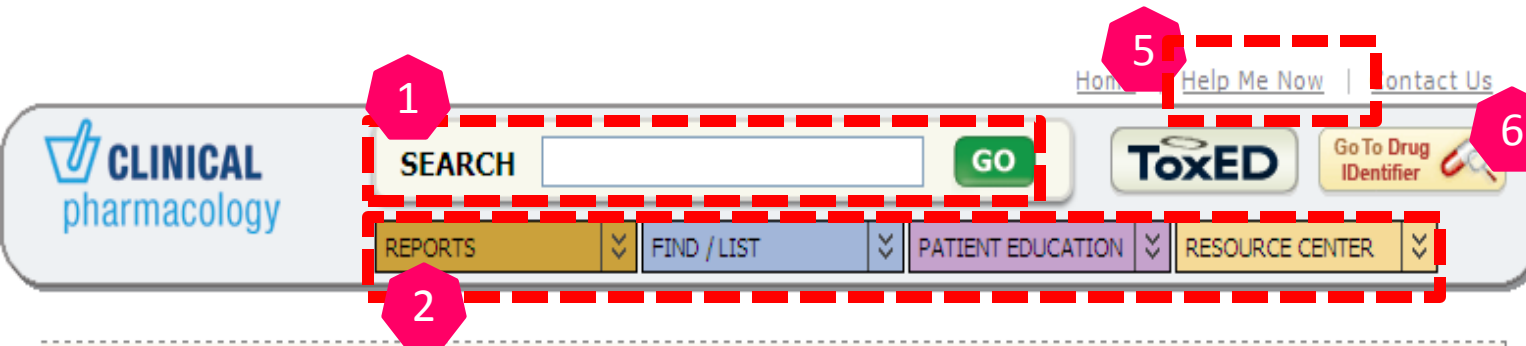
- 약사, 의사, 간호사와 의료 전문가들을 위한 **Point of Care 의약품 정보원**
- 임상경험이 풍부한 연구진들에 의해 **철저하게 검증된 의약품에 관련된 정보**를 실시간으로 제공
- 모든 의약품에 관련된 답변을 제공할 수 있어 **약품 처방에 대한 의사 결정을 지원하여 환자 치료결과 향상**
- 미국 내 5,000여 개의 기관에서 구독 중
- 약학 데이터베이스 중 가장 간단하고 효과적으로 이용 할 수 있음



Clinical Pharmacology

- Drug Information Monographs: 의약품의 임상정보 등을 간결하게 제공
- Report: 약 처방을 평가하기 위한 중요 보고서 제공
- Drug Product Information: 약 제품별 특징과 물리적인 특징에 대한 광범위한 정보 제공
- Patient Education: 환자 교육을 위한 배포자료인 MedCounselor 제공
- Drug Identifier: 약품 식별 정보로 약에 표기된 문자, 모양, 색상, 패턴 등으로 알약과 캡슐 등을 정확하게 검색
- Resource Center
 - Drug Calculator를 통해 약 복용량 계산, 처방 기준 및 부작용 조사, 환자의 상태에 따른 처방 및 단위변환 가능
 - Lab Reference를 통해 적합한 실험검사 즉, 연령, 성별 등의 실험기준, 정상범위 등의 기준 정보 제공
- Global Drug name Directory: 167개국의 국제적인 의약품 정보

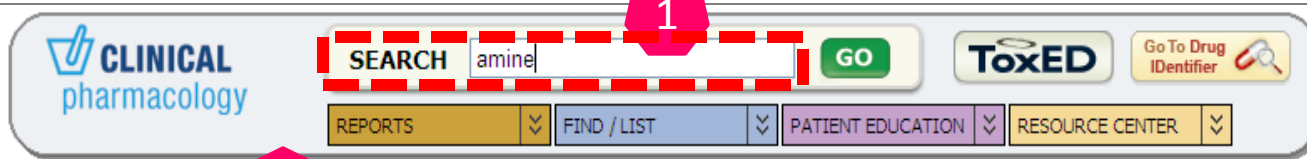
Clinical Pharmacology – Main Page



1. 약품명, 성분을 키워드로 입력하여 Drug Monograph, 리포트, GDND 등 확인
2. 4개의 주요 "Drop Down" 메뉴를 통해 각종 약품 정보 브라우징/다운로드
3. 지난 한달동안 업데이트 된 콘텐츠 브라우징
4. 텍스트, 플래쉬, 형태의 안내자료 다운로드 및 온라인라이브 이용 교육 신청
5. 용어, 기능별 특징, 장점에 대한 상세한 도움말 제공
6. 약품의 문자, 모양, 제형, 색상에 따라 약품검색

Clinical Pharmacology - Search

1. 텍스트박스에 성분 및 약품명을 입력
2. "amine"을 키워드로 입력하여 검색한 결과로, Monographs, 약품정보, 적응증, 금기사항 관련 정보 확인
3. "Monograph" 결과 브라우징 후, 특정 결과 클릭
4. "Comments" 클릭 하여, 약효별 분류, 적응증, 약물간 상호작용, 이상반응, 용법, 화학구조 등 확인



Search Results For: **amine**

Monographs (221)	US Drug Products (278)	Pharmacist's Letter	Prescriber's Letter
Natural Medicines Database	Global Drug Names (374)	Indications (3)	Contraindications (1)
Overviews (1)			

[Search 'amine' using phonetic search](#)

Monographs

- [Acetaminophen; Brompheniramine; Dextromethorphan; Pseudoephedrine](#)
- [Acetaminophen; Brompheniramine; Pseudoephedrine](#)
- [Acetaminophen; Caffeine; Chlorpheniramine; Hydrocodone; Phenylephrine](#)
- [Acetaminophen; Caffeine; Magnesium Salicylate; Phenyltoloxamine](#)
- [Acetaminophen; Caffeine; Phenylephrine; Pseudoephedrine; Salicylic Acid](#)
- [Acetaminophen; Chlorpheniramine](#)

Acetaminophen; Brompheniramine; Dextromethorphan; Pseudoephedrine | [US Drug Names](#) | [Global Drug Names](#)

View Drug Monograph - Acetaminophen; Brompheniramine; Dextromethorphan; Pseudoephedrine

- [Comments](#)
- [How Supplied](#)

Begin a Report

- [Start a Drug Interaction Report Using This Drug](#)

View Products

- [Acetaminophen 160mg/5mL, Brompheniramine Maleate 1mg/5mL, Dextromethorphan Hydrobromide 5mg/5mL, Pseudoephedrine](#)

Clinical Pharmacology - Monograph

1. Monograph에서 "Comment"를 클릭한, 화면으로 해당 약품에 관련된 정보 및 처방관련 정보 확인.
2. "분류, 적응 증, 처방 시 유의사항 확인"
3. 주의사항, 예방, 약물 상호작용 정보 확인
4. 용법, 용량, 화학구조 확인

Acetaminophen; Brompheniramine; Dextromethorphan; Pseudoephedrine

Comments | How Supplied | FormChe

Jump To Section

- Classifications
- Indications
- Comments
- Chemical Structure

Indications

- allergic rhinitis
- common cold
- cough
- fever
- headache
- mild pain
- nasal congestion
- rhinorrhea
- sneezing

Comments

NOTE: In January 2007, the CDC warned caregivers and healthcare providers of the risk for serious injury or fatal overdose in infants less than 2 years of age.[\[33534\]](#) This warning followed an investigation of the deaths of three (3) infants less than 2 years of age who had used these products. The symptoms preceding these deaths have not been clearly defined, and there is a lack of conclusive evidence. In 2004, the Nonprescription Drug Advisory Committee and the Pediatric Advisory Committee recommended that nonprescription cough and cold products containing chlorpheniramine, diphenhydramine, brompheniramine, phenylephrine, dextromethorphan, or guaifenesin not be used in children less than 2 years of age. Caution should be used with these products in patients with ischemic heart disease. These products should not be used if cough is accompanied by fever.

Contraindications/Precautions: Consult healthcare professional if pregnant (pregnancy category C) or breast-feeding. Acetaminophen should be used with caution in patients who drink 3 or more alcoholic beverages per day. Brompheniramine may cause drowsiness; patients should use caution when driving or operating machinery. Pseudoephedrine is contraindicated in patients with hypertension, heart disease, or diabetes. These products should not be used if cough is accompanied by fever.

Drug Interactions:

- Acetaminophen: Avoid alcohol. Alcohol consumption may lead to an increased risk of liver damage.
- Alcohol: Limit alcohol consumption.
- MAO Inhibitors: Use of these products with MAO inhibitors may cause a hypertensive crisis.
- Sedatives and hypnotics: Use of these products with sedatives and hypnotics may cause drowsiness.
- Tricyclic antidepressants: Use of these products with tricyclic antidepressants may cause drowsiness.

Dosage:

For the temporary relief of symptoms associated with the common cold or flu; nasal congestion due to minor throat and nasal inflammation or symptoms of high fever or other respiratory allergies:

Oral dosage (Syrup):

Adults and adolescents ≥ 12 years: 4 teaspoons (20 ml) PO every 4 hours as needed.

Children 6–11 years: 2 teaspoons (10 ml) PO every 4 hours as needed.

Children < 6 years: Safe and effective use has not been established.

Revision Date: 5/2/2008 7:45:00 PM

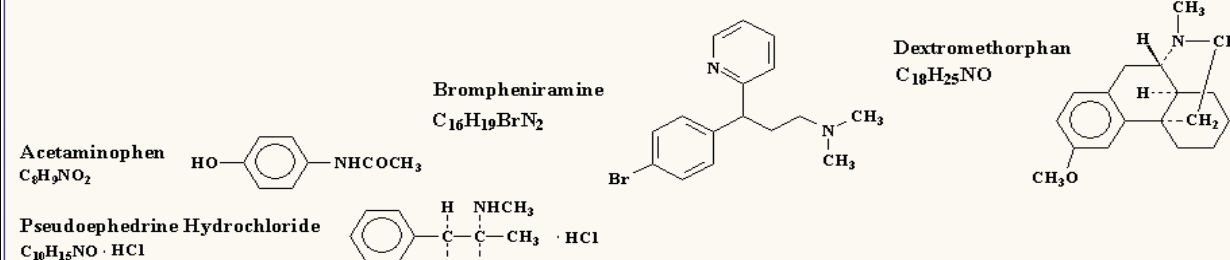
Chemical Structure

Acetaminophen
 $C_8H_9NO_2$

Brompheniramine
 $C_{16}H_{19}BrN_2$

Pseudoephedrine Hydrochloride
 $C_{10}H_{15}NO \cdot HCl$

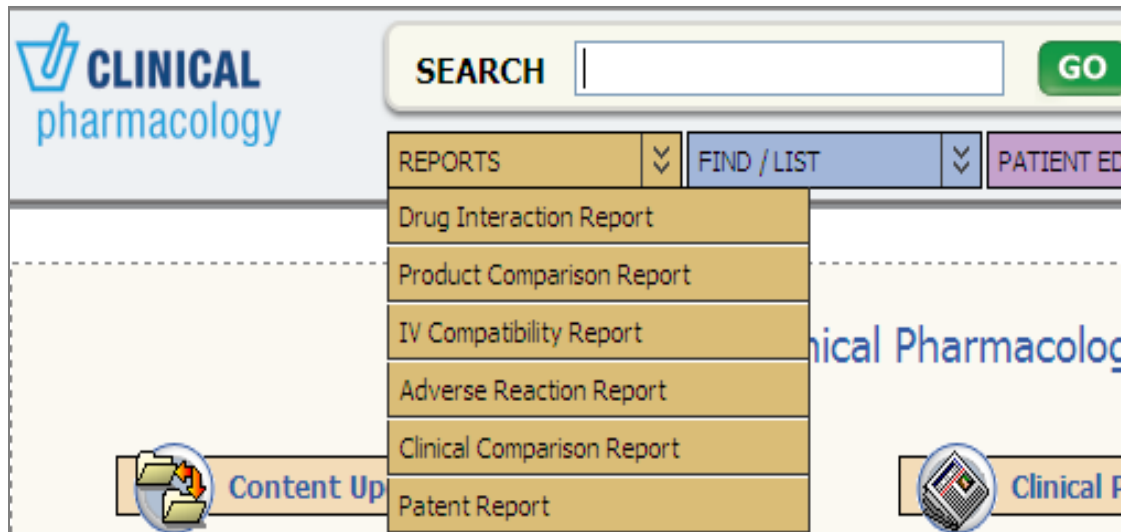
Dextromethorphan
 $C_{18}H_{25}NO$



Clinical Pharmacology – Report (1)

약처방을 평가하기 위한 주요 보고서

1. Drug Interaction Report: 다제 약제간의 상호작용 보고서
2. Product Comparison Report: 제품별 비교 보고서
3. IV Compatibility Report: Trissel's 2TM Clinical Pharmaceutics Database에 근거한 IV Compatibility 보고서
4. Adverse Reaction Report: 부작용 보고서
5. Clinical Comparison Report: 임상비교 보고서
6. Patent Report: 특허번호, 특허코드, 독점코드, 브랜드명, 유효기간 등이 표시된 미국 약 특허 보고서



Tips

각종 리포트 생성 방법

상호작용, 비교, 부작용 등의 보고서 확인을 위해서는 약품명 등을 검색하고 약품명 리스트에 추가하여 이에 따른 보고서 요청

Clinical Pharmacology – Report (2)

Drug Interaction Report

Search for Drug, Select to Add to Report:

Lifestyles: All

- Caffeine
- Enteral Feedings
- Ethanol
- Food
- Grapefruit
- Tobacco

Drug List:

- Warfarin
- Norvasc
- Cranberry
- Cycloserine
- St. John's Wort, Hypericum perforatum

Type: Professional Consumer

Drug Interaction Report

Drug Interaction Report for Healthcare Professionals

For the following 5 medications:

- Amlodipine
- Cycloserine
- Warfarin
- St. John's Wort, Hypericum perforatum
- Cranberry, Vaccinium macrocarpon Ait.

Also with: Ethanol, Food

Level 1 (Severe) (2 results)

Drug to Drug Interactions

Cycloserine and Ethanol

Concomitant use of cycloserine with ethanol can increase the likelihood of seizures. Patients should be advised against using ethanol while receiving cycloserine therapy.[7685]

St. John's Wort, Hypericum perforatum and Warfarin

Drug Interaction Report

1. 약품과 생활습관과의 상호작용을 확인하기 위해 특정 약품 검색
2. 현재 주로 섭취하는 커피, 알코올, 주스 등과의 상호작용 확인을 위해 선택
3. 검색 및 선택된 약품 리스트 확인
4. 보고서를 전문가용과 소비자용으로 선택해서 요청
4. "Run Report" 클릭해서 상호작용 보고서 확인하고, 이에 대한 위험성을 5단계로 구분해서 확인

Clinical Pharmacology – Report (3)

Product Comparison Report 1

Report Options: 2

- Access Predefined Reports
- Search By Name
- Search By NDC

Predefined Reports 3

- [Analgesic and Antihistamine Combinations](#)
Products that contain antihistamines and analgesics - typically used for sleep
- [Analgesic: Acetaminophen and Codeine Analgesic Combinations](#)
All products containing Acetaminophen and Codeine
- [Analgesic: Acetaminophen and Hydrocodone Analgesic Combinations](#)
List of combination products containing Acetaminophen and Hydrocodone
- [Analgesic: Acetaminophen and Oxycodone Analgesic Combinations](#)
List of combination products containing Acetaminophen and Oxycodone
- [Analgesic: Oxycodone and Hydrocodone Analgesic Combinations](#)
List of combination products containing Oxycodone and Hydrocodone

Product Comparison Report

1. 6가지 중요 리포트 중 "Comparison Report" 만이 알파벳순으로 리포트 브라우징 가능
2. 약품명이나 미국 국가의약품 코드를 통해 해당 리포트 검색
3. "Predefined Reports"를 알파벳순으로 브라우징
4. 특정 리포트를 클릭하여 들어온 화면으로 약품별 간략한 설명 확인

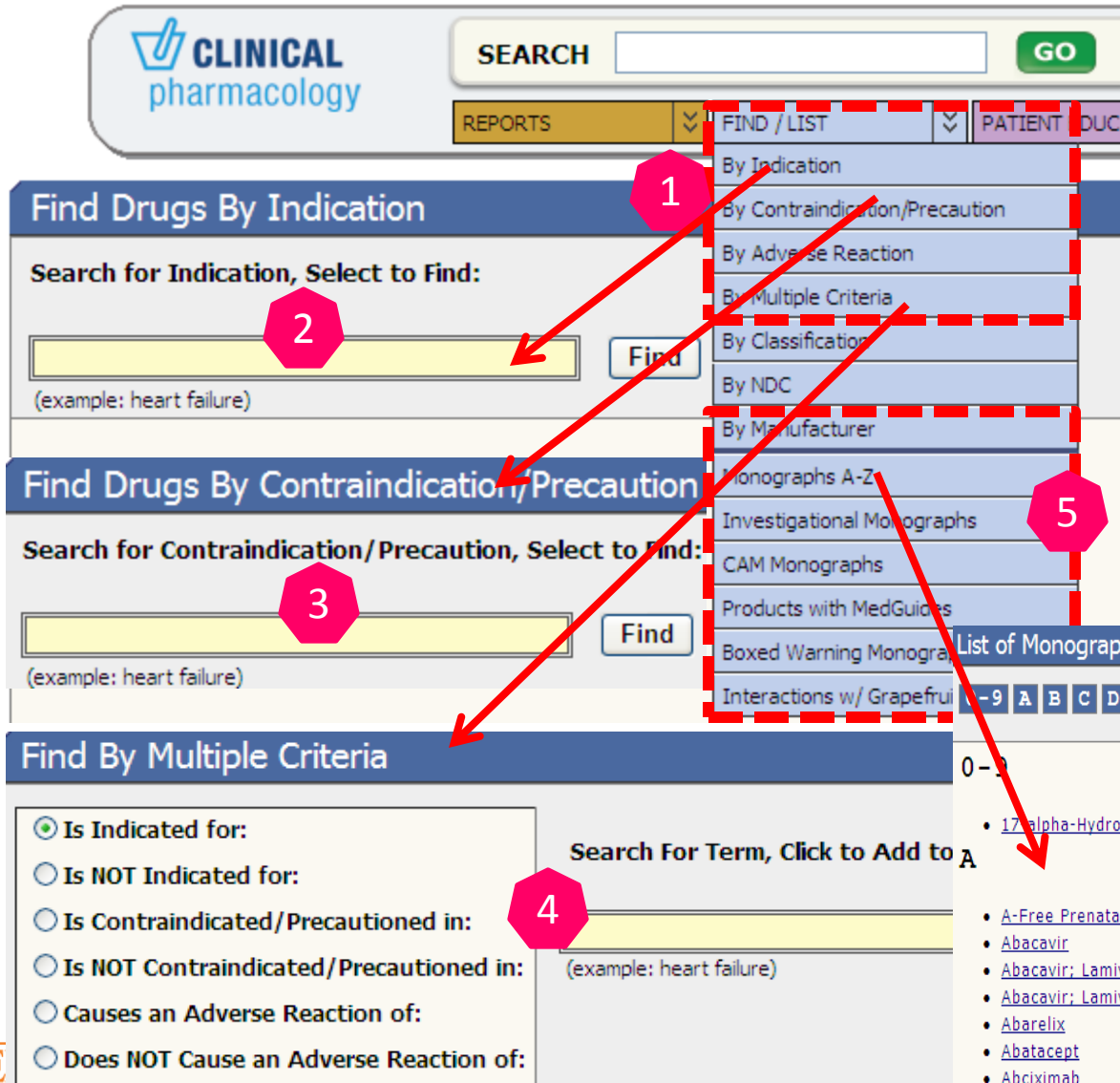
Product Comparison Report

Analgesic: Acetaminophen and Hydrocodone Analgesic Combinations
List of combination products containing Acetaminophen and Hydrocodone

Filters: Flavor Form

Product	Acetaminophen	Hydrocodone Salts	Additional Info
Anexsia 10mg- Mallinckrodt Inc Pharmaceuticals Group (off market)	Acetaminophen 650 mg	Hydrocodone Bitartrate 10 mg	Oral tablet
Anexsia 5mg-325mg Tablet Andrx Laboratories Inc (off market)	Acetaminophen 325 mg	Hydrocodone Bitartrate 5 mg	Oral tablet
Anexsia 5mg-325mg Tablet Andrx Laboratories Inc (off market)	Acetaminophen 325 mg	Hydrocodone Bitartrate 5 mg	Oral tablet

Clinical Pharmacology – FIND / LIST



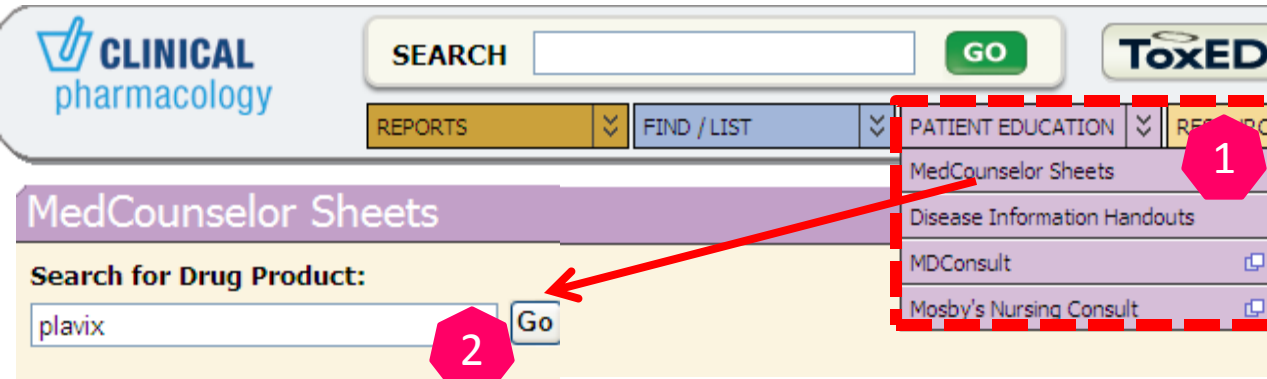
The screenshot shows the 'FIND / LIST' interface with the following sections and annotations:

- 1:** A red dashed box highlights the 'FIND / LIST' dropdown menu, which includes options like 'By Indication', 'By Contraindication/Precaution', 'By Adverse Reaction', 'By Multiple Criteria', 'By Classification', 'By NDC', 'By Manufacturer', 'Monographs A-Z', 'Investigational Monographs', 'CAM Monographs', 'Products with MedGuides', 'Boxed Warning Monographs', and 'Interactions w/ Grapefruit Juice'.
- 2:** A red arrow points to the search input field under 'Find Drugs By Indication'.
- 3:** A red arrow points to the search input field under 'Find Drugs By Contraindication/Precaution'.
- 4:** A red arrow points to the search input field under 'Find By Multiple Criteria'.
- 5:** A red arrow points to the 'List of Monographs A-Z' section, which includes a navigation bar with letters A through Z.
- 6:** A red arrow points to a search result entry: '17 alpha-Hydroxyprogesterone'.

FIND / LIST

1. Search 기능으로 적응증, 금기사항, 예방, 부작용, NDC(국가의약품코드)를 통한 약품검색가능
2. 적응증을 통한 검색
3. 금기사항, 예방에 관한 검색
4. 적응증, 금기사항, 예방, 부작용 확인을 위한 검색
5. Browse 기능으로 약효별 분류, Monographs, MedGuides등을 알파벳순으로 브라우징
6. Monographs를 알파벳순으로 브라우징

Clinical Pharmacology – MedCounselor Sheets



SEARCH **GO** **ToxED**

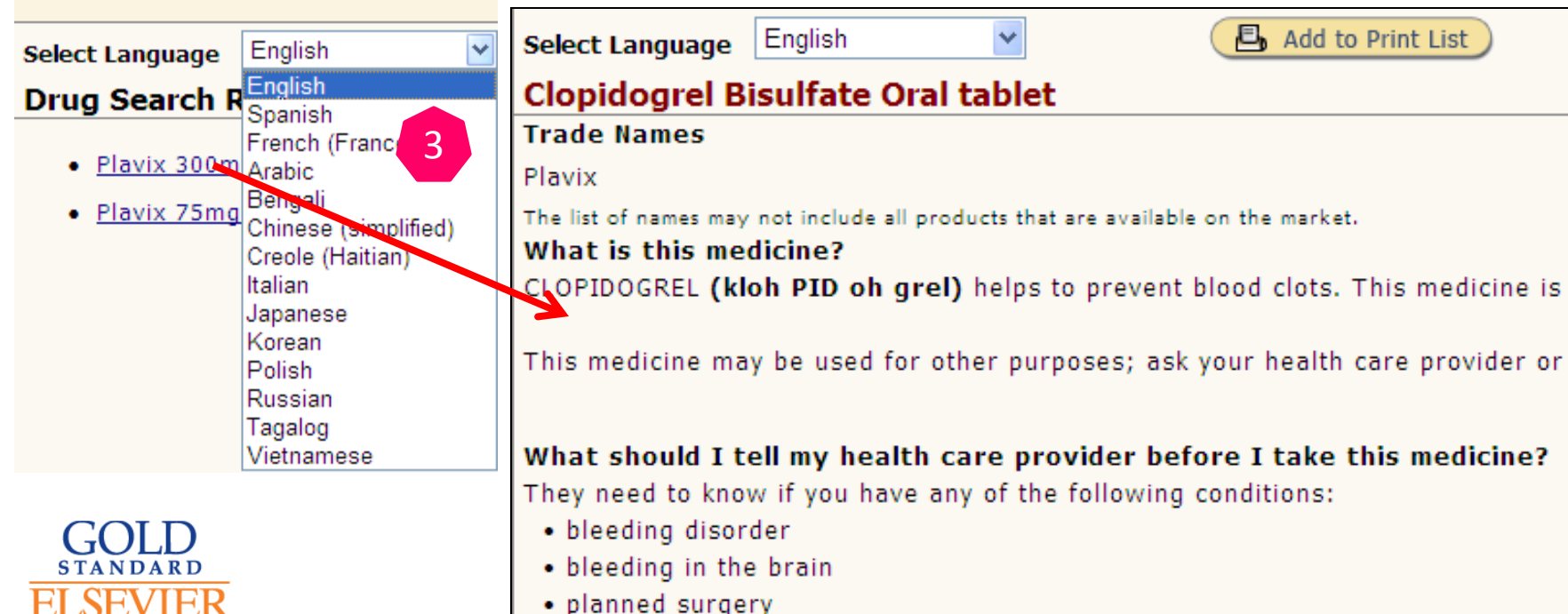
REPORTS FIND / LIST PATIENT EDUCATION **MedCounselor Sheets** Disease Information Handouts MDConsult Mosby's Nursing Consult

MedCounselor Sheets

Search for Drug Product: **Go**

MedCounselor Sheets

1. "Patient Education" 탭의 "MedCounselor Sheets" 선택하여 의약품별 "환자복약지도" 검색
2. 텍스트 박스에 의약품 키워드 입력
3. 키워드에 대한 검색결과로 해당 약품에 대한 복약지도를 영어 및 한국어로 다운로드
4. 선택한 약품에 대한 복약지도 출력



Select Language **Add to Print List**

Clopidogrel Bisulfate Oral tablet

Trade Names
Plavix

The list of names may not include all products that are available on the market.

What is this medicine?
CLOPIDOGREL (kloh PID oh grel) helps to prevent blood clots. This medicine is

This medicine may be used for other purposes; ask your health care provider or

What should I tell my health care provider before I take this medicine?
They need to know if you have any of the following conditions:

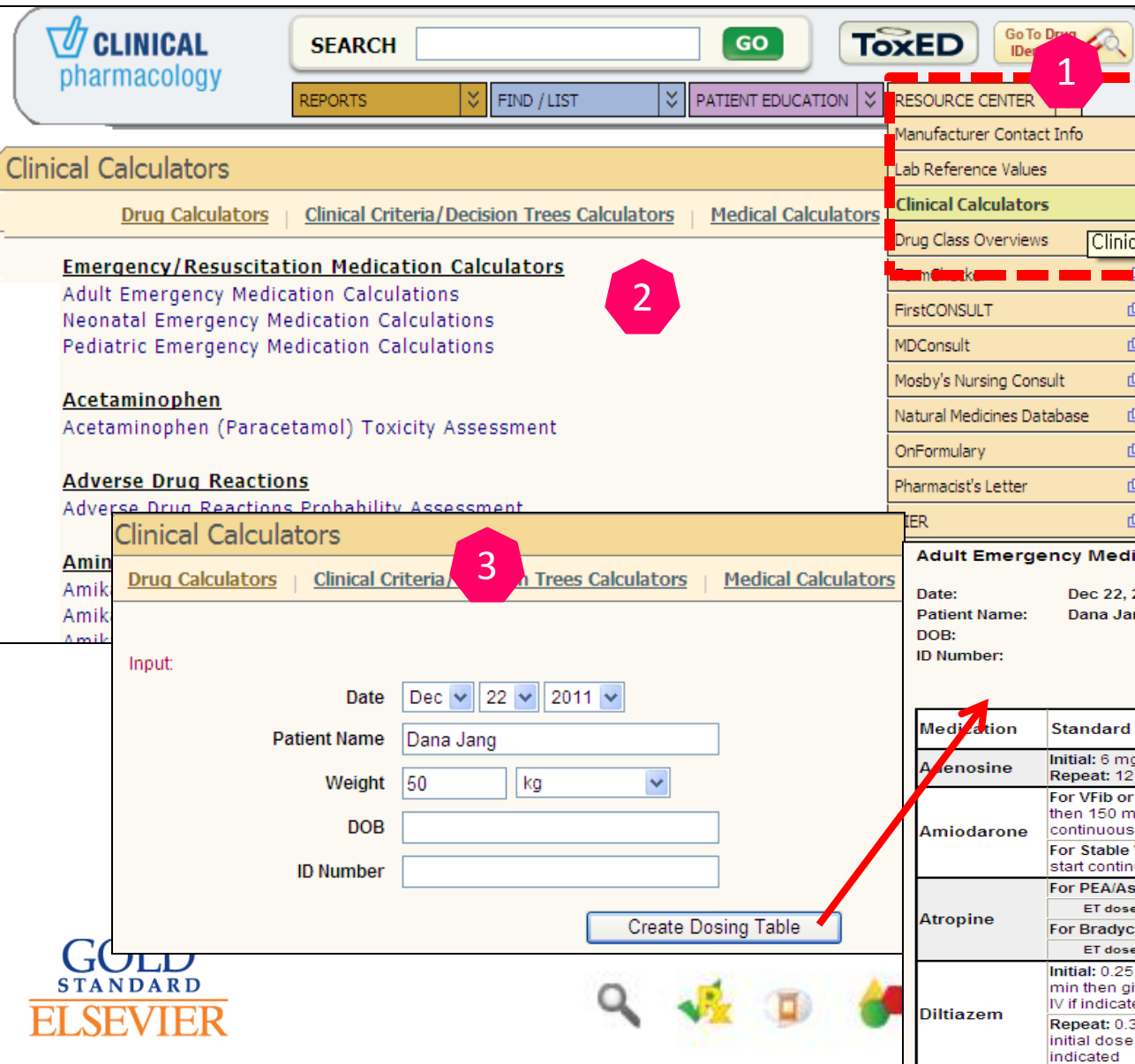
- bleeding disorder
- bleeding in the brain
- planned surgery

Clinical Pharmacology – Clinical Calculators

Clinical Calculators

의약품, 복용량 계산, 처방기준 및 부작용 조사, 환자의 상태에 따른 처방 및 단위변환 계산기

1. "Resource Center" 메뉴 탭의 "Clinical Calculators" 선택
2. 네 가지 "Calculators" 중에서 "Drug Calculator" 선택하여 특정 "Calculator" 클릭
3. 상황에 따른 약물 투여량 계산이 가능하며, 일시, 환자의 생년월일 몸무게 입력
4. 상황에 따른 처방제별 표준용량, 최대용량 확인



The screenshot shows the Clinical Pharmacology website interface. At the top, there is a search bar and a navigation menu. The 'Resource Center' menu is expanded, showing 'Clinical Calculators' as the selected option. Below this, the 'Drug Calculators' section is highlighted, and the 'Adult Emergency Medication Calculators' link is selected. The input form for the 'Adult Emergency Medications' calculator is shown, with the following fields filled in:

- Date: Dec 22, 2011
- Patient Name: Dana Jang
- Weight: 50 kg
- DOB: (empty)
- ID Number: (empty)

A red arrow points from the '50 kg' input field to the 'Create Dosing Table' button. Below the input form, there is a table of medication dosages.

Medication	Standard Dosage Regimen	Weight-Based Dose	Max Dose
Adenosine	Initial: 6 mg IV over 1–3 seconds Repeat: 12 mg IV every 1–2 min x2 PRN		30 mg
Amiodarone	For VFib or pulseless VTach: 300 mg IV/IO push; then 150 mg IV/IO in 3–5 min x1 if needed; start continuous IV if indicated For Stable VTach or SVT: 150 mg IV over 10 min; start continuous IV if indicated		450 mg initially; 2.2 g/24 hours
Atropine	For PEA/Asystole: 1 mg IV/IO push every 3–5 min ET dose: 2–2.5 mg; dilute in 5–10 ml water or NS For Bradycardia: 0.5 mg IV/IO push every 3–5 min ET dose: 1–1.25 mg; dilute in 5–10 ml water or NS		3 mg
Diltiazem	Initial: 0.25 mg/kg (or 15–20 mg) IV push over 2 min then give additional bolus OR start continuous IV if indicated Repeat: 0.35 mg/kg (or 20–25 mg) IV 15 min after initial dose if needed; start continuous IV if indicated	12.5 mg	17.5 mg

Clinical Pharmacology – Drug Identifier

Drug Identifier




Imprint / Marking:
 Side 1:
 Side 2:

Color: 1
 orange
 orange-brown
 peach
 pink
 pink-orange
 purple
 red
 red-brown
 red-orange
 red-pink
 rust

Shape:
 - all -
 - all -
 apple
 bow-tie
 bullet
 characters
 clover
 D-shaped/U-shaped

Drug Identifier

1. 약의 표시된 식별문자, 색, 제형 등을 통한 검색기능으로 검색필드에 맞춰 키워드 입력 및 선택
2. 문자와 색을 통한 검색결과
3. 특정 검색결과 클릭하여 해당 약품에 대한 특징 확인

Adoxa Pak 1/75mg Tablet Doak Dermatologics Sub Pharmaderm	orange, biconvex, round-shaped, side 1:D, side 2:75	
Advicor 750mg-20mg Tablet Abbott Pharmaceutical Product Division (off market)	orange, oblong-shaped, side 1:KOS, side 2:752	
Advicor 750mg-20mg Tablet Abbott Pharmaceutical Product Division	orange, oblong-shaped, side 1:KOS, side 2:752	

Advicor 750mg-20mg Tablet

[Abbott Pharmaceutical Product Division](#)

Legend Status:	Rx	Orange Book TE Code:	NR
FDA Pregnancy Risk Ratings	Trimester 1: X	Trimester 2:	X
Storage:	Store at controlled room temperature (between 68 and 77 degrees F)		
Other Information:	Do Not Crush or Chew		
Classifications:	Cardiovascular Agents ↳ Antilipemics ↳ HMG-CoA Reductase Inhibitor (Statin)/Niacin Combinations		

NDC: 00074-3072-90

bottle, 90 each Niacin (Vit B3) 750mg, Lovastatin 20mg, Oral tablet, modified release

Active Ingredients:	Lovastatin 20mg, Niacin (Vitamin B3) 750mg
Drug Description:	oblong-shaped, side 1:LOGO 752
Inactive Ingredients:	FD&C Yellow No. 6 Hypromellose



CLINICALpharmacology

감사합니다.

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