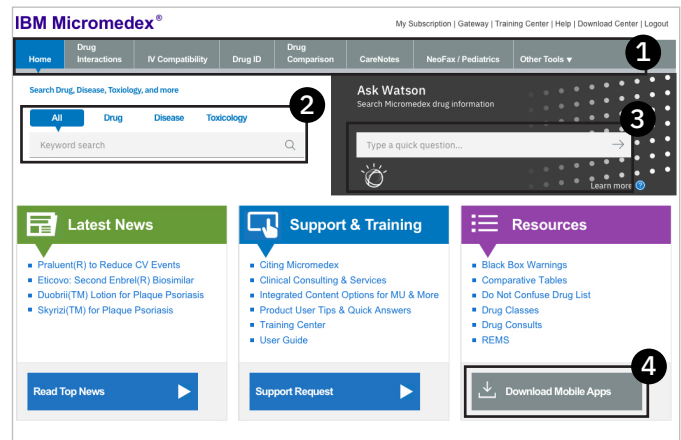


# IBM Micromedex®

The Industry Standard for Patient-Specific Drug, Disease, Lab, Pediatric, and Toxicology Evidence-Based Information

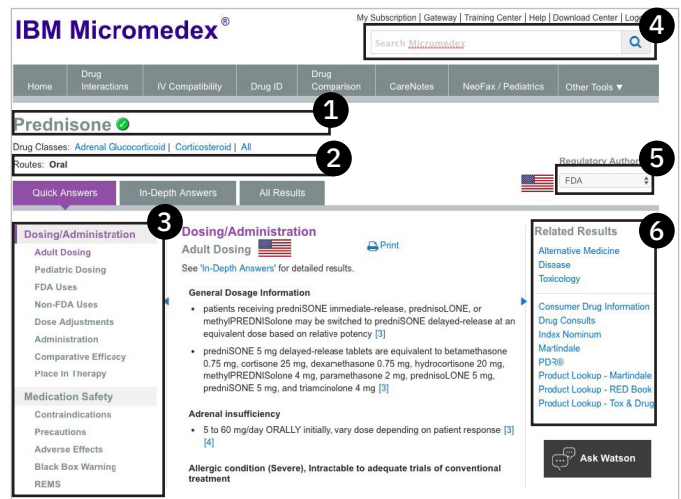
## Micromedex solutions homepage

1. The most frequently used tools are shown on the **Toolbar**. It is always displayed, and you can select **Home** at any time to return to the homepage
2. There are options to search by **All**, **Drug**, **Disease**, or **Toxicology** content. Intelligent search provides suggestions for spelling errors and direct access to **Dosing**, **Adverse Effects**, **Indications**, **Interactions**, and focused searches for **Drugs that treat**, and **Drugs that cause**
3. **Watson Assistant** allows you to search by asking natural language questions
4. Quick and easy access to **Download Mobile Apps**



## Searching landing page

1. **Drug Classes** links and **Routes** summary are always displayed
2. **Quick Answers**, **In-Depth Answers**, and **All Results** are provided
3. Active headings provide direct access to specific sections of content
4. Intelligent search retains the last search term
5. Direct access to **Salt/Base** drug formulations when available
6. Access to **Related Results** within core content sets and other data sources will be returned in-context with the search term



## In-Depth answers and all results

1. Navigate between **Quick Answers** and **In-Depth Answers** using the hyperlink to remain in same section being viewed
2. This page contains direct access to **View Full Document** and **Print**
3. Easy access to **Expand** or **Collapse** to customize viewing area
4. **All Results** include **Related Results** and **Filter by** subject

The screenshot shows the 'Gentamicin Sulfate' page with the following elements:

- Navigation tabs: Home, Drug Interactions, IV Compatibility, Drug ID, Drug Comparison, CareNotes, NeoFax / Pediatrics, Other Tools.
- Drug Classes: Aminoglycoside | Antibacterial | All
- Routes: Injection | Intravenous | Ophthalmic | Topical
- Regulatory Authority: FDA
- Section tabs: Quick Answers, In-Depth Answers, All Results (highlighted with a '4').
- Left sidebar: Dosing/Administration (highlighted with a '1'), Pediatric Dosing, FDA Uses, Non-FDA Uses, Dose Adjustments, Administration, Comparative Efficacy, Place In Therapy, Medication Safety, Contraindications, Precautions.
- Main content: Dosing/Administration Adult Dosing (highlighted with a '2'), See 'In-Depth Answers' for detailed results, Important Note (highlighted with a '3').
- Right sidebar: Related Results (highlighted with a '4'), Disease Toxicology, Consumer Drug Information, Drug Consults, Index Nominum, Martindale, PDR®, Product Lookup - Martindale, Product Lookup - RED Book, Product Lookup - Tox & Drug.

## Full document searching

1. Enter a search term to identify and navigate to all instances of the term
2. The active term is highlighted orange to identify where you are in the document; next and previous terms are highlighted yellow
3. Navigate to specific sections within full document

The screenshot shows the 'Gentamicin Sulfate' page with the following elements:

- Navigation tabs: Home, Drug Interactions, IV Compatibility, Drug ID, Drug Comparison, CareNotes, NeoFax / Pediatrics, Other Tools.
- Section tabs: Quick Answers, In-Depth Answers, All Results.
- Left sidebar: Dosing/Administration (highlighted with a '1'), Pediatric Dosing, FDA Uses, Non-FDA Uses, Dose Adjustments, Administration, Comparative Efficacy, Place In Therapy, Medication Safety, Contraindications, Precautions, Adverse Effects, Black Box Warning.
- Main content: Dosing/Administration Adult Dosing (highlighted with a '2'), See 'Quick Answers' for summary results, Normal Dosage, Dosage in Renal Failure, Dosage in Hepatic Insufficiency, Dosage in Geriatric Patients, Dosage Adjustment During Dialysis, Dosage in Other Disease States, Important Note, Gentamicin Sulfate (highlighted with a '3').
- Right sidebar: Related Results, Disease Toxicology, Consumer Drug Information, Drug Consults, Index Nominum, Martindale, PDR®, Product Lookup - Martindale, Product Lookup - RED Book, Product Lookup - Tox & Drug.

## Patient education

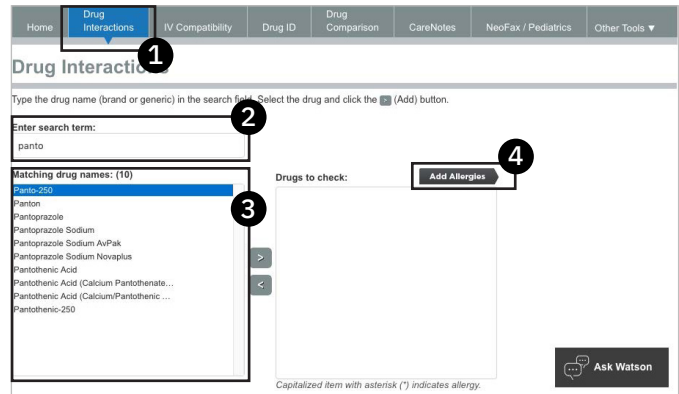
1. **Patient Education** has two sections
2. **Medication Counseling** contains information for the healthcare professional to assist in patient counseling
3. **Patient Handouts** features consumer drug information that may be printed for the patient

The screenshot shows the 'Gentamicin Sulfate' page with the following elements:

- Navigation tabs: Home, Drug Interactions, IV Compatibility, Drug ID, Drug Comparison, CareNotes, NeoFax / Pediatrics.
- Other Tools: Mechanism of Action, Pharmacokinetics, Patient Education (highlighted with a '1'), Medication Counseling (highlighted with a '2'), Patient Handouts (highlighted with a '3'), Toxicology, Clinical Effects, Range of Toxicity, Treatment, About, How Supplied, Drug Properties, Storage & Stability, Trade Names, Regulatory Status.
- Main content: CDC Guidelines, Gentamicin Sulfate, Implantation route, Inhalation route, Intramuscular route, Intraperitoneal route, Intravenous route, Intraventricular route, Intravitreal route, Iontophoresis route, Ophthalmic route, Subconjunctival route, Topical application route, Admission to intensive care unit - Selective decontamination of the digestive tract, Hospital-acquired pneumonia, Postoperative infection; Prophylaxis, Selective decontamination of the digestive tract - Transplantation of liver, Implantation route, a) Impregnated Beads, 1) Polymethylmethacrylate (PMMA) beads into which an antibiotic (usually gentamicin) has been incorporated have been used for several years in orthopedic, head and neck, and plastic surgery (Walenkamp et al, 1986; Barton & Moir, 1984; Wahilo et al, 1978) to prevent or treat.
- Right sidebar: Adult Dosing, Ask Watson.

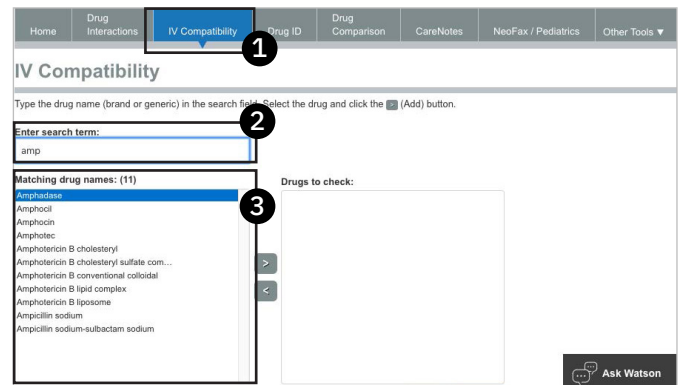
## Drug Interaction searching

1. From the Toolbar, select the **Drug Interactions** tab
2. Type the drug name (brand or generic) in the **Search** field
3. Select the drug and click the **Add** (right arrow) button, or remove the drug by clicking the **Remove** (left arrow) button
4. **Add Allergies**, if known
5. Once all drugs are added, click the **Submit** button at the bottom right of the screen



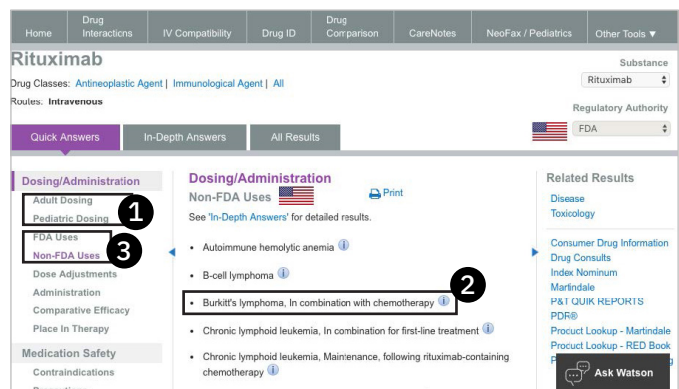
## IV Compatibility searching

1. From the Toolbar, select the **IV Compatibility** tab
2. Type the drug name (brand or generic) in the **Search** field
3. Select the drug and click the **Add** (right arrow) button, or remove the drug by clicking the **Remove** (left arrow) button
4. Repeat the process until all drugs are added, then click the **Submit** button at the bottom right of the screen



## FDA and Non-FDA Uses (On-Of-label Indications and Dosing)

1. From the section headings, access **FDA Uses** or **Non-FDA Uses**
2. **Non-FDA Uses** reviews the indications and associated Strength of Recommendation and Strength of Evidence in Quick Answers
3. If dosing is required, select **Adult** or **Pediatric Dosing** and review **Quick Answers**
4. If off-label dosing is not listed in Quick Answers, select **In-Depth Answers**. Then click on the desired indication to review dose recommendation
5. Availability of off-label dosing is evidence-based; not all off-label indications will have a dosing recommendation



## About IBM Watson Health

Each day, professionals throughout the health ecosystem make powerful progress toward a healthier future. At IBM Watson Health, we help them remove obstacles, optimize efforts and reveal new insights to support the people they serve. Working across the landscape, from payers and providers to governments and life sciences, we bring together deep health expertise; proven innovation; and the power of artificial intelligence to enable our customers to uncover, connect and act — as they work to solve health challenges for people everywhere.

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