

## 1182    **tadalafil**

- **Anaphylaxis:** rash, pruritus, wheezing, laryngeal edema; stop infusion, initiate emergency procedures
- **QT prolongation:** ECG, ejection fraction; assess for chest pain, palpitations, dyspnea
- **PTLD:** Malaise, fever, weight loss, night sweats, decreased appetite can be fatal, allogenic hematopoietic stem cell transplant (HSCT) may be required
- **Blood level monitoring:** maintain tacrolimus whole blood (7-20 ng/mL) then 5-15 ng/mL for 1 yr in kidney transplant; 1-3 mo maintain whole blood at 8-20 ng/mL, then 6-18 ng/mL 3-18 mo after transplant (heart)

**Black Box Warning:** Liver transplant: ext rel product should not be used because of increased female mortality rate

**Black Box Warning: Specialized care setting, experienced clinician:** this product should only be used when equipped and staffed with adequate supportive medical services and by those experienced in immunosuppressive therapy and organ transplantation

**Black Box Warning: Children, infants, neonates:** not approved use of ointment in those <2 yr, ext rel in those <16 yr; not approved for pediatric kidney/heart transplant

- **Pregnancy/breastfeeding:** use only if benefits outweigh fetal risk; do not breastfeed, excretion unknown

### **Evaluate:**

- Therapeutic response: absence of graft rejection; immunosuppression in patients with autoimmune disorders

### **Teach patient/family:**

#### **PO route**

- To report fever, rash, severe diarrhea, chills, sore throat, fatigue; that serious infections may occur; to report clay-colored stools, cramping (hepatotoxicity), nephrotoxicity, signs of diabetes mellitus
- To avoid exposure to natural or artificial sunlight
- **Not to breastfeed while taking product**

- That repeated lab tests will be needed during treatment
- To avoid vaccines
- Not to use with alcohol, grapefruit, grapefruit juice
- **Organ rejection:** B/P, provide treatment for hypertension to help prevent rejection

**Black Box Warning:** To report symptoms of lymphoma, skin cancer; to avoid crowds, persons with known infections to reduce risk for infection; to avoid eating raw shellfish

### **Topical route**

- To stop using topical product when atopic dermatitis is resolved; not to use >6 wk if symptoms do not improve; not to shower or swim after applying
- **To report if pregnancy is planned or suspected**

## **tadalafil (Rx)**

(tah-dal'a-fil)

**Adcirca, Cialis**

*Func. class.:* Impotence agent

*Chem. class.:* Phosphodiesterase type 5 inhibitor

**ACTION:** Inhibits phosphodiesterase type 5 (PDE5); enhances erectile function by increasing the amount of cGMP, which causes smooth muscle relaxation and increased blood flow into the corpus cavernosum; improves erectile function for up to 36 hr

**USES:** Treatment of erectile dysfunction (Cialis), benign prostatic hyperplasia (BPH) with or without erectile dysfunction, pulmonary arterial hypertension (PAH) (Adcirca only)

**Unlabeled uses:** Sexual dysfunction in males receiving antidepressants

**CONTRAINDICATIONS:** Newborns, children, women, hypersensitivity, patients taking organic nitrates either regularly and/or intermittently, patients