

## Drug Class Review Monograph – GPI Class 01 – Penicillins

Review Time Frame: 02/2016 – 04/2017

*Previous Class Review: 05/2016*

### **Background:**

Penicillin inhibits the biosynthesis of cell wall mucopeptide. It is most effective during the stage of active multiplication. When adequate concentrations are reached, it is bactericidal against sensitive organisms; inadequate concentrations may produce only bacteriostatic effects.

Other antibiotics obtained from penicillin include amoxicillin and ampicillin. These are classified as semisynthetic penicillins.

### **New treatment guideline recommendations:**

- None identified

### **Newly approved drugs:**

- None identified

### **Newly approved formulations:**

- None identified

### **Newly approved generics:**

- None identified

### **Discontinued drugs:**

- None identified

### **FDA Safety Alerts/black box warnings:**

- None identified

### **Pipeline alerts:**

Agents pending FDA approval include:

- None identified

### **References:**

1. Calderwood SB. Penicillins. Hooper DC. (Ed), UpToDate. Waltham MA. Accessed May 2017.
2. Clinical Pharmacology [database online]. Tampa, FL: Gold Standard, Inc.; 2016. URL: <http://www.clinicalpharmacology-ip.com/>. Updated April 2016.
3. Food and Drug Administration. WWW.FDA.GOV. Accessed May 2017.
4. Envolve Pharmacy Solutions internal pipeline database. Accessed May 2017.