

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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GRÜNENTHAL GMBH,

Petitioner

v.

ANTECIP BIOVENTURES II LLC,

Patent Owner

U.S. Patent No. 9,283,239

Issue Date: March 15, 2016

Application No.: 14/625,857

Title: COMPOSITIONS FOR ORAL ADMINISTRATION OF ZOLEDRONIC  
ACID OR RELATED COMPOUNDS FOR TREATING COMPLEX REGIONAL  
PAIN SYNDROME

Case PGR2017-00008

**PATENT OWNER'S ARGUMENT DEMONSTRATIVE EXHIBITS**

Patent Owner's Demonstrative Exhibit  
Slide No. 1

**THE ORIGINAL CLAIMS and SPECIFICATION  
PROVIDE AMPLE WRITTEN DESCRIPTION  
SUPPORT for “about 80 to about 500 mg of  
zoledronic acid within a period of six months.”**

# DOSAGE REGIMENS SUPPORTED BY ORIGINAL CLAIMS AND SPECIFICATION

## Daily

1. a **50-500 mg dose** given over a period of five days, repeated **every six months**, and  
a **lower end of 80 mg** repeated **every six months**

## Weekly

2. **50-500 mg** given in 5 weekly doses, and a **lower end of 80 mg**

## Monthly

3. **80-600 mg** given over two monthly doses

# TEN RANGES IN TOTAL WITH REPEATED INSTANCES OF

Lower Limit of Range: **80 mg**

Upper Limit of Range: **500 mg**

Over a **Six-Month** Period

## ORIGINAL CLAIMS – MONTHLY

1. A method of treating complex regional pain syndrome comprising orally administering zoledronic acid to a human being in need thereof.
4. The method of claim 1, wherein the human being receives about 40 mg to about 300 mg of zoledronic acid per month.
6. The method of claim 1, wherein zoledronic acid is orally administered for only 1 to 3 months.

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