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Sunesis to Host Conference Call on March 14th to Discuss Fourth Quarter and Full-Year 2011 Financial Results

SOUTH SAN FRANCISCO, Calif., (March 8, 2012) – Sunesis Pharmaceuticals, Inc. (NASDAQ: SNSS) today announced that it will host a conference call on Wednesday March 14th, 2012 at 10:30 a.m. Eastern Time to discuss corporate updates and financial results for the fourth quarter and year ended December 31, 2011.

The call can be accessed by dialing (866) 362-4666 (U.S. and Canada) or (617) 597-5313 (international), and entering passcode 99720867.

To access the live audio webcast, or the subsequent archived recording, visit the "Investors and Media - Calendar of Events" section of the Sunesis website at www.sunesis.com. The webcast will be recorded and available for replay on the company's website for two weeks.

About Sunesis Pharmaceuticals

Sunesis is a biopharmaceutical company focused on the development and commercialization of new oncology therapeutics for the treatment of solid and hematologic cancers. Sunesis has built a highly experienced cancer drug development organization committed to advancing its lead product candidate, vosaroxin, in multiple indications to improve the lives of people with cancer. For additional information on Sunesis, please visit <http://www.sunesis.com>.

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