

## Single Crystal Submission Form (Purdue Samples)

Please carefully fill out this form. Bring your labeled (paper tag) sample to Wetherill Hall 101.

Please attach a copy of this form with your Purdue iLab service.

Sample ID: L-argininium phosphite crystals	date: 12 May 2017
Submitting Person: Rick Meilan	e-mail: rmeilan@purdue.edu
	phone: 765-496-2287
Research Advisor: N/A	e-mail:

Data collection to be run by:	Crystallographer: Dr. Matt Zeller	Submitter: Dr. Rick Meilan
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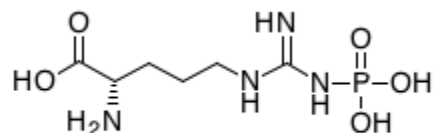
Air Sensitive?	NO	Cryst. Solvents:	Water
Moisture Sensitive?	NO	Solvent Loss Possible?	NO
Radiation Sensitive?	NO	Exp. Molec. Formula:	(L-ArgH)(H <sub>2</sub> PO <sub>3</sub> )
Temp. Sensitive?	NO	Exp. Moiety Formula:	H <sub>17</sub> C <sub>6</sub> N <sub>4</sub> O <sub>5</sub> P
Absolute structure required (for chiral samples):	NO	Purity (%) or Elemental Analysis:	~100%
Other Characterization. Methods:			

**Chemdraw Sketch of Synthetic Procedure** (include all reagents and solvents used):

Water (CAS 7732-18-5)

Phosphorous acid (CAS 13598-36-2)

L-arginine (CAS 74-79-3)



C05945

**Chemdraw Sketch of Proposed Structure**

(3D drawing of expected isomer for chiral compounds, include **atom numbering scheme**, or it will be assigned by the crystallographer):

**Other Notes:**