

## Analytical Data Sheet

Lot number **1071407**  
not for drug use

Catalog number **F-3670.0250**  
Product number **4027854.0250**  
Product **L- Albizziine**  
H-  $\beta$ - (Ureido) - Ala- OH  
Molecular formula **C<sub>4</sub>H<sub>9</sub>N<sub>3</sub>O<sub>3</sub>**  
Relative molecular mass **147.13**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (elemental analysis)	Theory Found C = 32.7% C = 32.7% H = 6.2% H = 5.9% N = 28.6% N = 28.3%
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -67.0^\circ$ (2% in water)
Purity (TLC)	> 98%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.3% (Nth 28.56%, Nfd 28.35%)
Water content (KF volumetric)	0.7%

Latest update: April 24, 2017

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