

# Analytical Data Sheet

Lot number

**1027541**

not for drug use

<b>Catalog Number</b>	E-3505.0005
<b>Product number</b>	4028710.0005
<b>Product</b>	H- Ala- allyl ester · p- tosylate
<b>Molecular formula</b>	C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub> · C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S
<b>Relative molecular mass</b>	301.36

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 51.50 %</td> <td>C = 51.50 %</td> </tr> <tr> <td>H = 6.38 %</td> <td>H = 6.25 %</td> </tr> <tr> <td>N = 4.62 %</td> <td>N = 4.55 %</td> </tr> </table>	Theory	Found	C = 51.50 %	C = 51.50 %	H = 6.38 %	H = 6.25 %	N = 4.62 %	N = 4.55 %
Theory	Found								
C = 51.50 %	C = 51.50 %								
H = 6.38 %	H = 6.25 %								
N = 4.62 %	N = 4.55 %								
<b>Melting point</b>	93 °C								
<b>Purity (TLC)</b>	99.0% TFA 98.5% TEAP 98.8% NaClO <sub>4</sub>								
<b>TLC conditions</b>	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid(98-100%)/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	0.6%								
Latest update: November 13, 2009	<b>Analytical Data Sheet</b> Lot number <b>1027541</b>								