

**Analytical Data Sheet**

<b>Lot number</b>	<b>1053434</b> not for drug use
<b>Product</b>	H-Ala-OBzl · HCl
<b>Product number</b>	<b>4001744.0005</b>
<b>Molecular formula</b>	C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub> · HCl
<b>Relative molecular mass</b>	215.68

<b>Tests</b>	<b>Results</b>
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol)
<b>Melting point</b>	143°C
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -10.3° (2% in 0.1 N hydrochloride acid)
<b>Purity (TLC)</b>	> 99%
<b>Related impurities (TLC)</b>	< 0.2% H-Ala-OH
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/10/3/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, IRH
<b>Enantiomer content (GC)</b>	< 0.1% D-enantiomer
<b>Assay (elemental analysis)</b>	100.2% (Cth 55.69%, Cfd 55.79%)

Latest update: July 05, 2021

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