

## Analytical Data Sheet

<b>Lot number</b>	<b>1000049374</b> not for drug use
<b>Catalog number</b>	<b>E-1900.0005</b>
<b>Product</b>	H-Glu(OtBu)-OtBu · HCl
<b>Product number</b>	4000156.0005
<b>Molecular formula (net)</b>	C <sub>13</sub> H <sub>25</sub> NO <sub>4</sub> · HCl
<b>Molecular mass (average)</b>	295.8

<b>Tests</b>	<b>Results</b>
<b>Components</b>	
<b>Appearance</b>	
Appearance	complies [white to off-white powder]
<b>Appearance of solution</b>	
Appearance of solution	complies [clear, colorless solution in methanol (50 mg/mL)]
<b>Identification (TLC)</b>	
R <sub>f</sub> value	complies [complies]
<b>Melting point</b>	
Melting point	119°C
<b>Specific optical rotation</b>	
[α] <sub>D</sub> <sup>24</sup> (as is)	+22.4 (°)·mL/(dm·g)
<b>Purity and related impurities (TLC)</b>	
Purity	> 99%
H-Glu-OtBu · HCl	< 0.2%
H-Glu(OtBu)-OH	< 0.2%
<b>Enantiomer content (GC)</b>	
D-enantiomer	< 0.1%
<b>SOL Assay (elemental analysis)</b>	
Assay (EA, as is)	100.3%
<b>Water content (Karl Fischer volumetric)</b>	
Water content	0.20%

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# BACHEM

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<b>Tests</b>	<b>Results</b>
Components	
<b>Assay (titration)</b>	
Assay (titration, net)	100.5%

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**SOL** Analysis performed by Solvias AG, Römerpark 2, 4303 Kaiseraugst, AG, Switzerland

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This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

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Date created: April 21, 2021