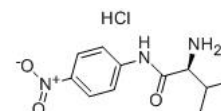


## Technical Data Sheet H-VAL-PNA HCL

### Compound Information

<b>Product Name:</b>	H-VAL-PNA HCL
<b>CAS No.:</b>	77835-49-5
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>16</sub> ClN <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	273.72
<b>Revision Date:</b>	2026-04-15



### Analytical Information

Tests	Specifications
Appearance	Off-white powder
Purity (TLC)	> 99%
Solubility	Clear, colorless solution (50 mg/mL in 80% AcOH)
Optical Rotation ( $\alpha_{24/D}$ )	+63.6° (c = 1% in water)
Carbon Content	47.95%
Chloride	12.8% (titration by AgNO <sub>3</sub> )
Hydrogen Content	5.89%
Nitrogen Content	14.83%
Water Content (KF)	0.5%

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.