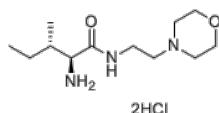


**Product Name** : LM11A-31 dihydrochloride  
**Cat. No.** : PC-61489  
**CAS No.** : 1243259-19-9  
**Batch No.** : PC-6148901  
**Chemical Name** : (2S,3S)-2-amino-3-methyl-N-(2-morpholinoethyl)pentanamide dihydrochloride

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Weight** : 316.27  
**Molecular Formula** :  $C_{12}H_{25}N_3O_2 \cdot 2HCl$   
**Storage** : Powder -20°C 12 Months  
 4°C 6 Months  
 In solvent -80°C 6 Months  
 -20°C 6 Months

**Chemical Structure** :



## ANALYTICAL DATA

**Appearance** : Solid powder  
**<sup>1</sup>H NMR Spectrum** : Consistent with  
**HPLC** : Consistent with  
**NP** : Consistent with  
**Purity (HPLC and/or LCMS)** : >98%  
**Conclusion** : The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com