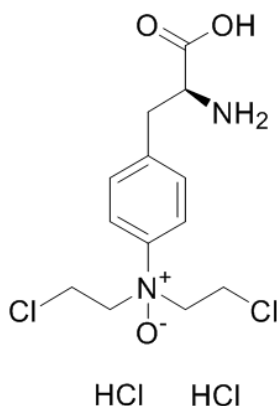


**Product Name** : PX-478  
**Cat. No.** : PC-42474  
**CAS No.** : 685898-44-6  
**Batch No.** : PC-4247401  
**Chemical Name** : L-Phenylalanine, 4-[bis(2-chloroethyl)oxidoamino]-, (Hydrochloride) (1:2)

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Weight** : 394.1215  
**Molecular Formula** :  $C_{13}H_{20}Cl_4N_2O_3$   
**Storage** : Powder -20°C 12 Months  
4°C 6 Months  
In solvent -80°C 6 Months  
-20°C 1 Month

**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