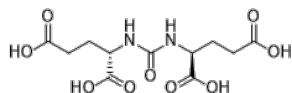


**Product Name** : DUPA  
**Cat. No.** : PC-22408  
**CAS No.** : 302941-52-2  
**Batch No.** : PC-2240801  
**Chemical Name** : (2S,2'S)-2,2'-(Carbonylbis(azanediyl))dipentanedioic acid

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Weight** : 320.25  
**Molecular Formula** : C<sub>11</sub>H<sub>16</sub>N<sub>2</sub>O<sub>9</sub>  
**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!**

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