

## Product Data Sheet

Product Name: PLP (139-151)

Cat. No.: GC14018

### Chemical Properties

Cas. No. 122018-58-0

Chemical Name (S,Z)-3-((Z)-(((S)-1-((2S,3Z,6Z,8S,9Z,11S,12Z,14S,15Z,18Z,20S,21Z,23S,24Z,26S)-2-((1H-imidazol-5-yl)methyl)-11-((1H-indol-3-yl)methyl)-26-amino-14-(4-aminobutyl)-4,7,10,13,16,19,22,25-octahydroxy-23-(hydroxymethyl)-27-(1H-imidazol-5-yl)-8,20-diisobutyl-3

SMILES CC(C)[C@@]([N=C(O)/[C@]([N=C(O)/[C@]([N=C(O)/C/N=C(O)/[C@]([N=C(O)/[C@]([N=C(O)/[C@](N)([H])CC1=CN=CN1)([H])CO)([H])CC(C)C)([H])CCCCN)([H])CC2=CNC3=CC=CC=C23)([H])/C(O)=N/C/C(O)=N/[C@@](C(N4CCC[C@@]4([H])/C(O)=N/[C@@]/C(O)=N/[C@@]/C(O)=N/[C@@](C(O)=O)([H

Formula C<sub>72</sub>H<sub>104</sub>N<sub>20</sub>O<sub>17</sub>

M.Wt 1521.74

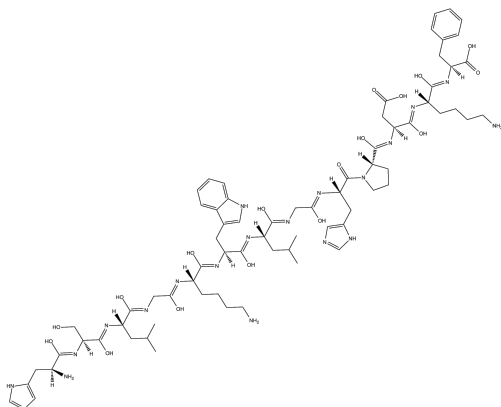
Solubility Soluble to 1 mg/ml in 20%  
acetonitrile / sterile water

Storage Desiccate at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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[SER140]-PLP(139-151) is a fragment of myelin proteolipid protein.

### References:

[1]. Kordopati GG, et al. Biologically relevant conformational features of linear and cyclic proteolipid protein (PLP) peptide analogues obtained by high-resolution nuclear magnetic resonance and molecular dynamics. J Comput Aided Mol Des. 2017 Jul 29.

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