

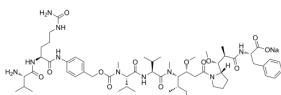
## Val-Cit-PAB-MMAF (sodium)

**Cat. No.:** HY-44177  
**Batch No.:** 316118  
**Chemical Name:** L-Phenylalanine, N-methyl-N-[[[4-[[L-valyl-N5-(aminocarbonyl)-L-ornithyl]amino]phenyl]methoxy]carbonyl]-L-valyl-L-valyl-(3R,4S,5S)-3-methoxy-5-methyl-4-(methylamino)heptanoyl-( $\alpha$ R, $\beta$ R,2S)- $\beta$ -methoxy- $\alpha$ -methyl-2-pyrrolidinepropanoyl- (sodium)

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>58</sub>H<sub>91</sub>N<sub>10</sub>NaO<sub>13</sub>  
**Molecular Weight:** 1159.39  
**Storage:** 4°C, stored under nitrogen  
\* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)

**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Off-white to light yellow (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 98.43%  
**Conclusion:** The product has been tested and complies with the given specifications.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA