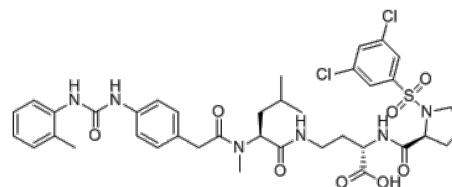


**Product Name** : BIO5192  
**Cat. No.** : PC-61300  
**CAS No.** : 327613-57-0  
**Molecular Formula** : C<sub>38</sub>H<sub>46</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>8</sub>S  
**Molecular Weight** : 817.78  
**Target** : Integrin  
**Solubility** : 10 mM in DMSO



## Biological Activity

BIO5192 (BIO-5192) is a potent, highly selective inhibitor of integrin  **$\alpha 4\beta 1$  (VLA-4)** with K<sub>d</sub> of <10 pM, IC<sub>50</sub> of 1.8 nM. BIO5192 displays selectivity over a range of other integrins (IC<sub>50</sub> are 138, 1053, > 500 and > 10,000 nM for  $\alpha 9\beta 1$ ,  $\alpha 2\beta 1$ ,  $\alpha 4\beta 7$  and  $\alpha 11\beta 3$ , respectively). BIO5192 mobilizes hematopoietic stem and progenitor cells (HSPCs) alone or combined with plerixafor (AMD3100).

## References

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Theien BE, et al. Blood. 2003 Dec 15;102(13):4464-71.  
Ramirez P, et al. Blood. 2009 Aug 13;114(7):1340-3.  
Bao F, et al. Exp Neurol. 2008 Dec;214(2):160-7.

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

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