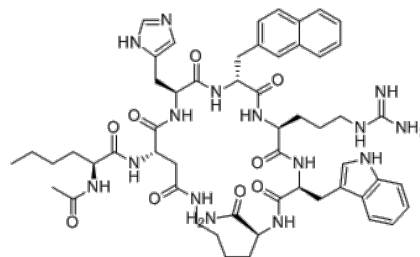


**Product Name** : SHU-9119  
**Cat. No.** : PC-70059  
**CAS No.** : 168482-23-3  
**Molecular Formula** : C<sub>54</sub>H<sub>71</sub>N<sub>15</sub>O<sub>9</sub>  
**Molecular Weight** : 1074.258  
**Target** : Melanocortin Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

SHU-9119 is a potent melanocortin MC3 and MC4 receptor antagonist with IC<sub>50</sub> of 0.23 nM and 0.06 nM, respectively. SHU-9119 also is an MC5R partial agonist (EC<sub>50</sub> = 0.12 nM). SHU-9119 upregulates expression of genes promoting lipogenesis and triglyceride storage (SCD1, LPL, ACC $\alpha$  and FAS), increases triglyceride synthesis and promotes insulin resistance. SHU-9119 increases food intake, body weight and fat mass when administered centrally in vivo.

## References

- Hruby VJ, et al. *J Med Chem.* 1995 Sep 1;38(18):3454-61.  
Fan W, et al. *Nature.* 1997 Jan 9;385(6612):165-8.  
Huang QH, et al. *J Neurosci.* 1997 May 1;17(9):3343-51.

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

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