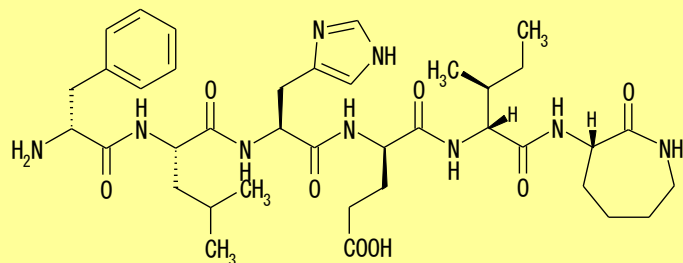


# Calpinactam

Cat.# BLK1100

## Structure

Origin: *Synthetic*

CAS Registry Number: 1205538-83-5

CA Index Name:

Appearance: off white solid

Molecular Formula/ Weight: C<sub>38</sub>H<sub>57</sub>N<sub>9</sub>O<sub>8</sub>=767.93

Melting Point: 242-245°C Purity:&gt;95.0% by HPLC

Solubility: Sol. in 1mg/ml DMSO

pKa:

log P:

### Background Information:

Calpinactam, a hexapeptide with caprolactam ring, was isolated from *Mortierella alpina*. It showed activity against *Mycobacterium smegmatis* and *M. tuberculosis* (MIC= 0.78 and 12.5 microg/ml)

### Handling and Storage:

Store at -20°C.

### References:

1. Org Lett. 2010 Feb 5;12(3):432-5.
2. J Antibiot (Tokyo). 2010 Apr;63(4):183-6. Epub 2010 Feb 26.