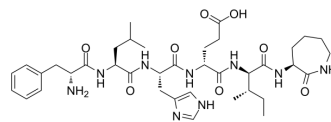


## Calpinactam

Cat. No.:	HY-120733
CAS No.:	1205538-83-5
Molecular Formula:	C <sub>38</sub> H <sub>57</sub> N <sub>9</sub> O <sub>8</sub>
Molecular Weight:	767.91
Target:	Bacterial; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Calpinactam (FKI-4905), a fungal metabolite, is a new anti-mycobacterial agent. Calpinactam is active only against Mycobacteria among various microorganisms, including Gram-positive and Gram-negative bacteria, fungi and yeasts. Calpinactam inhibits the growth of Mycobacterium smegmatis and Mycobacterium tuberculosis with MIC values of 0.78 and 12.5 µg/ml, respectively <sup>[1]</sup> .
IC <sub>50</sub> & Target	Fungal Metabolite

### REFERENCES

[1]. Nobuhiro Koyama, et al. Calpinactam, a new anti-mycobacterial agent, produced by *Mortierella alpina* FKI-4905. *J Antibiot (Tokyo)*. 2010 Apr;63(4):183-6.

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

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