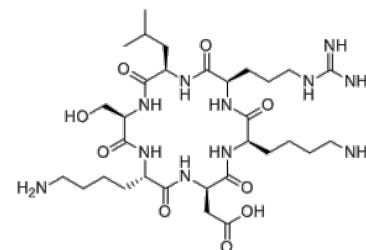


**Product Name** : BK-1361  
**Cat. No.** : PC-60981  
**CAS No.** : 1975145-82-4  
**Molecular Formula** : C<sub>31</sub>H<sub>57</sub>N<sub>11</sub>O<sub>9</sub>  
**Molecular Weight** : 727.865  
**Target** : Matrix Metalloproteinase (MMP)  
**Solubility** : 10 mM in DMSO



## Biological Activity

BK-1361 (BK1361, cyclo-RLsKDK) is a cyclic peptide with RLsKDK (s=D-serine) that functions as a potent, selective inhibitor of **ADAM8** with IC<sub>50</sub> of 120 nM.

BK-1361 displays no significant activity against ADAM 9, 10, 12, 17, as well as MMP-2, -9, and -14 at 10 uM.

BK-1361 inhibits shedding of CD23 with IC<sub>50</sub> of 182 nM in cell-based shedding assays, reduces migration/invasion of pancreatic cancer cells and less ERK1/2 and MMP activation, causes change in cell morphology.

BK-1361 decreases tumour burden and metastasis of implanted pancreatic tumour cells and provides improved metrics of clinical symptoms and survival in Kras(G12D)-driven mouse model of PDAC.

## References

Schlomann U, et al. *Nat Commun.* 2015 Jan 28;6:6175.

Chen J, et al. *Sci Rep.* 2016 Jul 26;6:30451.

Yim V, et al. *Bioorg Med Chem.* 2016 Sep 15;24(18):4032-4037.

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

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