



AZP-3813, a Bicyclic, 16-Amino Acid Peptide Antagonist of the Human Growth Hormone Receptor, Effectively Suppresses IGF1 in Beagle Dogs

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CONFLICT OF INTEREST

Michael D. Culler

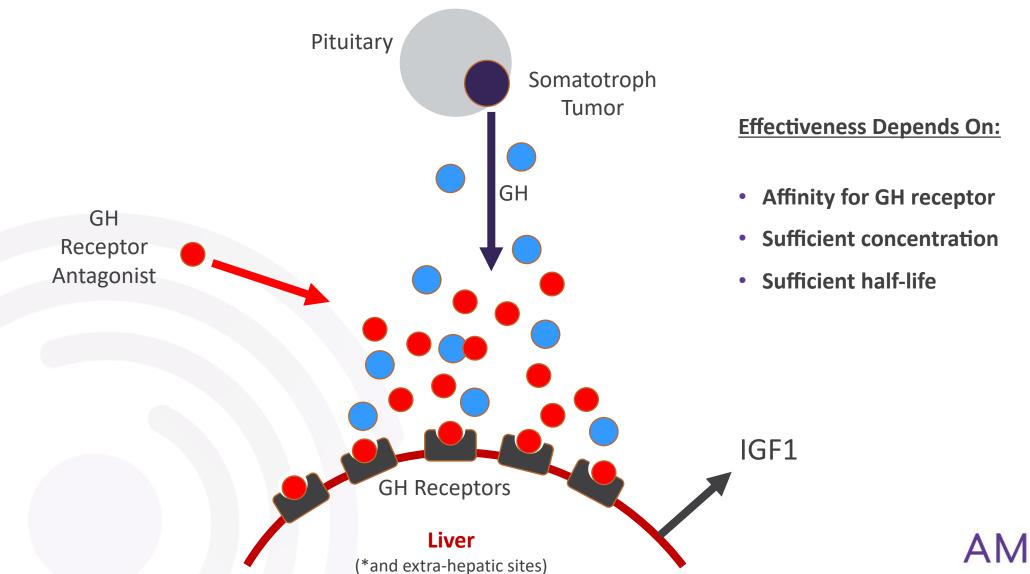
X I have the following potential conflicts of interest to report:

- □ Research Contracts
- □ Consulting
- X Employment in the Industry (Employee of Amolyt Pharma)
- X Stockholder of a healthcare company
- ☐ Owner of a healthcare company
- \Box Other(s) please include details

No commercial logos or product names to be included please.

□ I declare that I have no potential conflict of interest.

GH Receptor Antagonist to Suppress Excess IGF1 in Acromegaly



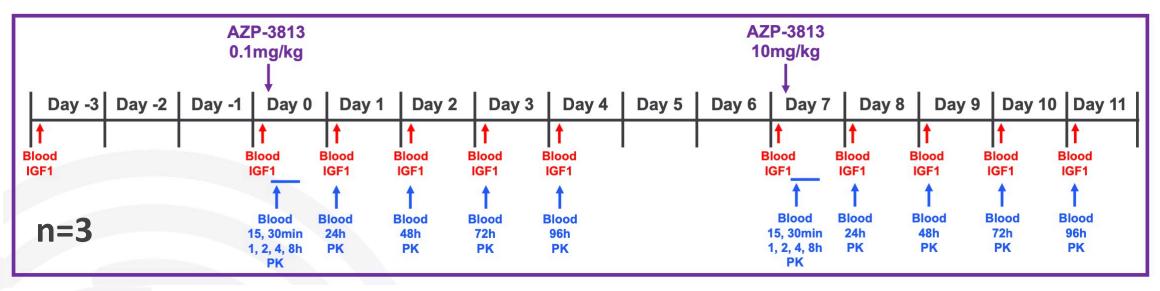
AZP-3813 – GH Receptor Antagonist

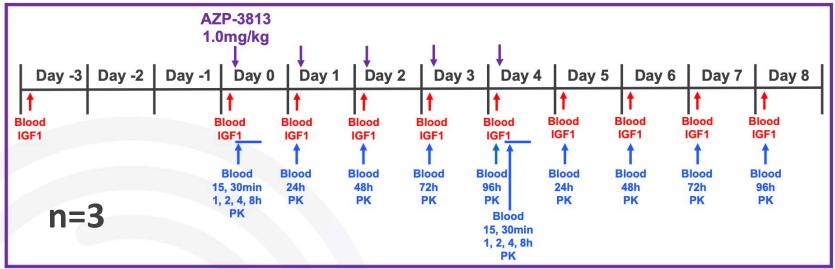
AZP-3813: 16 Amino Acid, Bi-Cyclic Peptide

- MW = 2479.9
- hGH-R affinity $(K_D) = 2.9 \text{nM}$
- hGH-R antagonism $(IC_{50}) = 9.9$ nM



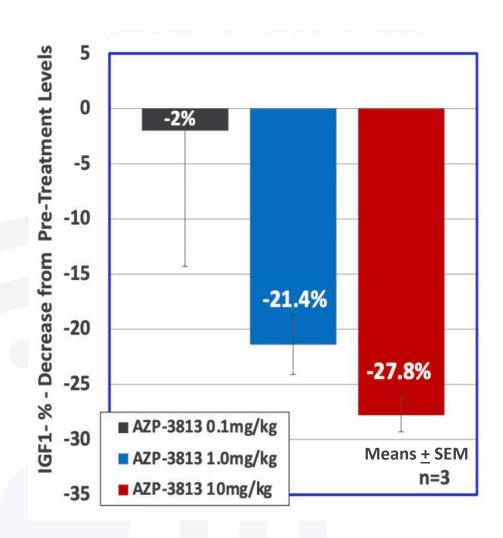
Study Plan to Test AZP-3813 in Beagle Dogs

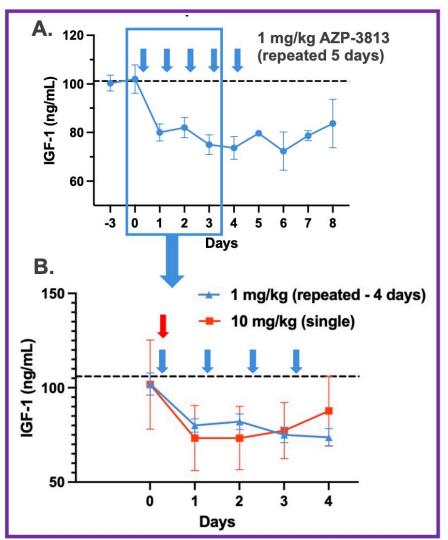






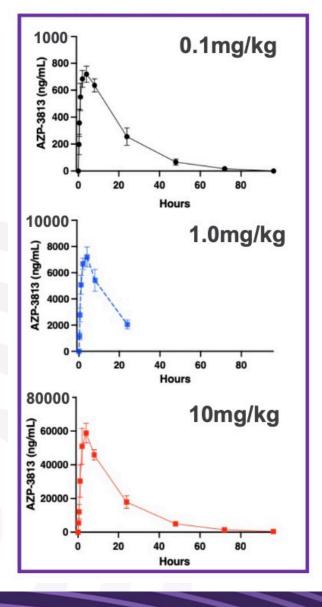
Dose-Related and Sustained Suppression of IGF1 in Beagle Dogs

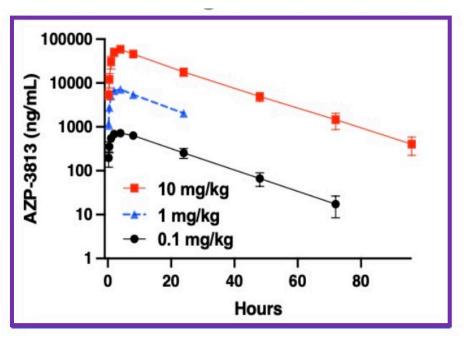




AZP-3813 Pharmacokinetics in Beagle Dogs

Increasing doses of AZP-3813 produce linear increases in blood concentration





of AZP-3813
produce parallel
elimination curves

Dose	Half-Life (h)
0.1mg/kg	15.1
1.0mg/kg	13.2
10mg/kg	14.3

Mean circulating half-life = 14.2 ± 0.47 hours



Conclusion

The results of the current study demonstrate that the potent GH receptor antagonist activity exhibited by AZP-3813 translates to effective, sustained in vivo suppression of IGF1 levels in normal Beagle dogs, and further support the development of AZP-3813 as a potential therapy for acromegaly

For more detail, please visit our poster: RC 7.3

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Thank you!

