3-Aminopropylphosphinic acid (3-APPA) is a phosphonic analog of GABA. 3-Aminopropylphosphinic acid is a potent, selective GABA\(_B\) receptor agonist\(^1\).

**IC\(_{50}\) & Target**  
GABA\(^B\)\(^1\)

**In Vitro**  
3-Aminopropylphosphinic acid (10 \(\mu\)M) causes a concentration-dependent inhibition of the cholinergic twitch contraction in the electrically stimulated ileum (IC\(_{50}\)=1.84-0.23 \(\mu\)M)\(^2\).  
3-Aminopropylphosphinic acid acts as an anti-aging substance for skin\(^4\).  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

**In Vivo**  
3-Aminopropylphosphinic acid (5 mg/kg; i.v.) blocks the inhibitory effects of GABA against vagal broncho-spasm in guinea pigs\(^3\).  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

**Animal Model:** guinea pigs\(^3\)  
**Dosage:** 5 mg/kg  
**Administration:** IV  
**Result:** Blocked the inhibitory effects of GABA against vagal broncho-spasm.

**REFERENCES**


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

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