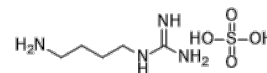


**Product Name** : Agmatine sulfate  
**Cat. No.** : PC-22657  
**CAS No.** : 2482-00-0  
**Molecular Formula** : C<sub>5</sub>H<sub>16</sub>N<sub>4</sub>O<sub>4</sub>S  
**Molecular Weight** : 228.27  
**Target** : Farnesoid X Receptor (FXR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Agmatine sulfate is a microbial metabolite derived from arginine by arginine decarboxylase, activates the farnesoid X receptor (FXR) pathway to subsequently inhibit glucagon-like peptide-1 (GLP-1) secretion by L cells. Agmatine sulfate exerts modulatory action at multiple molecular targets, such as neurotransmitter systems, ion channels and nitric oxide synthesis.

## References

Yun C, et al. Nat Metab. 2024 May;6(5):947-962.

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

E-mail: tech@probechem.com