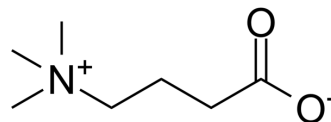


## Actinine

Cat. No.:	HY-113270
CAS No.:	407-64-7
Molecular Formula:	C <sub>7</sub> H <sub>15</sub> NO <sub>2</sub>
Molecular Weight:	145.2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Actinine (γ-Butyrobetaine) is an amino acid betaine aminobutyric acid zwitterion. Actinine acts as both a human metabolite and a metabolite of *E. coli*<sup>[1]</sup>.

### REFERENCES

[1]. Koeth RA, et al. γ-Butyrobetaine is a proatherogenic intermediate in gut microbial metabolism of L-carnitine to TMAO. *Cell Metab.* 2014 Nov 4;20(5):799-812.

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

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