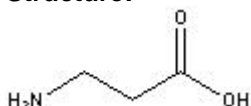


## TECHNICAL INFORMATION

Catalog Number: 100929, 194618

### beta-Alanine

#### Structure:



**Molecular Formula:** C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>

**Molecular Weight:** 89.09

**CAS # :** 107-95-9

**Synonyms:** 3-Aminopropionic acid; 3-Aminopropanoic acid

**Physical Description:** White crystalline powder

**Solubility:** Soluble in water (100 mg/ml - clear, colorless solution)

**Description:** A nonselective endogenous glycine receptor agonist; a taurine analogue; an electrolyte.

**Typical Use:** In the synthesis of pantothenic acid and derivatives; as buffer in electroplating.<sup>1</sup>

#### Availability:

Catalog Number	Description	Size
100929	b-Alanine	100 g 500 g 1 kg
194618	b-Alanine, cell culture reagent	100 g 500 g

#### References:

- *Merck Index*, **12th Ed.**, No. 206.
- "Large, Enzymes and pathways of polyamine breakdown in microorganisms." *FEMS Microbiol. Lett.*, **v. 8**, 249 (1992).
- Hine, T., *Electrophoresis*, **v. 83**, H. Hirai (ed.), Berlin, p. 541 (1984).
- Yagi, T., et al., *Electrophoresis*, **v. 83**, H. Hirai (ed.), Berlin, p. 503 (1984).
- Zhang, et al., "Inhibition of rat vascular smooth muscle cell proliferation by taurine and taurine analogues." *Biochem. Pharmacol.*, **v. 57**, 1331 (1999).