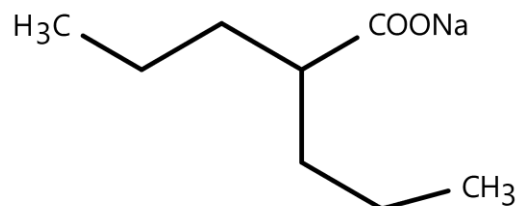


Catalog	Unit
TBI1009-5G	5 g

### Product Details

**Formal Name:** 2-Propylpentanoic acid Na  
**Alternate Names:** Valproic acid; Valproate Na; VPA  
**Molecular Formula:** C<sub>8</sub>H<sub>15</sub>O<sub>2</sub> Na  
**Formula Weight:** 166.20  
**CAS Number:** 1069-66-5  
**Purity:** >98%  
**Formulation:** powder  
**Solubility:** Soluble in Water (up to 50 mg/ml).  
**Storage:** -20°C  
**Stability:** ≥ 2 years.



### Applications

HDAC inhibitor

### Functions

Histone deacetylase inhibitor (IC<sub>50</sub> = 400 μM). Demonstrates neuroprotective, anticancer, and anti-inflammatory activity. Inhibits Aβ production, reduced neuritic plaque formation, and improved memory deficits in Alzheimer's mouse models. Improves stem cell reprogramming efficiency and enables efficient induction of pluripotency without introduction of the oncogene c-Myc. Clinically useful anticonvulsant.

### Application Procedures

First dissolved in Water (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored under at -20°C for up to 3 months.

**For research use only.**