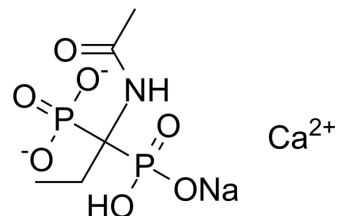


## S186

**Cat. No.:** HY-13950  
**CAS No.:** 97759-16-5  
**Molecular Formula:**  $C_5H_{10}CaNNaO_7P_2$   
**Molecular Weight:** 321.15  
**Target:** Others  
**Pathway:** Others  
**Storage:** 4°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 25 mg/mL (77.85 mM; Need ultrasonic)  
 DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.1138 mL	15.5690 mL	31.1381 mL
	5 mM		0.6228 mL	3.1138 mL	6.2276 mL
	10 mM		0.3114 mL	1.5569 mL	3.1138 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

S186 is a kind of sodium salts of calcium-acetylpropylamine phosphonate(APA); a new strontium-specific chelating agent.IC50 value:Target: In a case test for 4 person who took 90Sr in due to an internal contaminated accident, the APAP was adminstrated intramuscularly once a day for 3 days, the increase excretion of 90Sr was obvious and no side effects was observed among them. Recently, S186 has also been approved by Shanghai Municipal Health Bureau for emergency medical use in China.

### REFERENCES

[1]. Weihai Zhuo, et al. A Brief Review of Researches Related to Radiation Emergency Medicine at Fundan University, China. Radiation Emergency Medicine. 2012 Vol.1 No.1-2 7-10.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA