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**Product Data Sheet**

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Product Name: S186  
Cat. No.: GC37579

**Chemical Properties**

Cas. No. 97759-16-5

SMILES O=C(C)NC(CC)(P(O)(O)=O)P(O)(O)=O.[Ca].[Na]

Formula C5H13CaNNaO7P2

M.Wt 324.17

Solubility H<sub>2</sub>O : 25 mg/mL (77.85 mM; Need ultrasonic); DMSO : < 1 mg/mL (insoluble or slightly soluble)

Store  
Storage at -  
20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

S186 is a kind of sodium salts of calcium-acetylpropylamine phosphonate (APA); a new strontium-specific chelating agent. IC<sub>50</sub> value: Target: In a case test for 4 person who took 90Sr in due to an internal contaminated accident, the APAP was administered 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.

[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.**

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