Product Name: 9-AC
CAS Number: 723-62-6
IUPAC Name: 9-Anthracenecarboxylic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: $\text{C}_{15}\text{H}_{10}\text{O}_2$
   Batch Molecular Weight: 222.24
   Physical Appearance: Yellow solid
   Solubility: ethanol to 10 mM
   DMSO to 100 mM
   Storage: Store at RT
   Batch Molecular Structure:

2. ANALYTICAL DATA

   Melting Point: Between 217 - 220°C
   HPLC: Shows >99.6% purity
   $^1\text{H}$ NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:
   Theoretical Carbon Hydrogen Nitrogen
   Found
   81.07 4.54
   81.04 4.6
   Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: 9-AC
CAS Number: 723-62-6
IUPAC Name: 9-Anthracenecarboxylic acid

Description:
Cl⁻ transport inhibitor with a moderate to strong inhibitory action on PKA activated cardiac Iₖ₁.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₅H₁₀O₂
Batch Molecular Weight: 222.24
Physical Appearance: Yellow solid
Minimum Purity: >99%
Batch Molecular Structure:

Storage: Store at RT

Solubility & Usage Info:
ethanol to 10 mM
DMSO to 100 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: