1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈H_{13}NO₂\cdot\frac{1}{4}H₂O
Batch Molecular Weight: 159.7
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis: Carbon Hydrogen Nitrogen
Theoretical 60.17 8.52 8.77
Found 60.75 8.55 8.85
Product Name: BCH
CAS Number: 20448-79-7
IUPAC Name: 2-Aminobicyclo[2.2.1]heptane-2-carboxylic acid

Description:
BCH is an inhibitor of L-type amino acid transporter LAT1. Suppresses growth and induces apoptosis via activation of caspas in KB, Saos2 and C6 cancer cell lines.

Physical and Chemical Properties:
Batch Molecular Formula: C₉H₁₃NO₂·¾H₂O
Batch Molecular Weight: 159.7
Physical Appearance: White solid

Storage: Store at RT
Solubility & Usage Info:
water 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply: 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: