CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

# Product Information

## BCH, Purity ≥98%

**Cat. No.:** X24-09-YM807

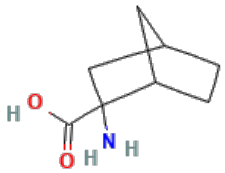
**Size:** 100 mg; 250 mg; 500 mg; 1000 mg

**MDL:** MFCD00167580

**CAS Number:** 20448-79-7

**Compound CID:** 115288

**Synonym:** 20448-79-7; 2-Amino-2-norbornanecarboxylic acid; 2-Aminobicyclo[2.2.1]heptane-2-carboxylic acid



**This product is for research use only and is not intended for diagnostic use.**

## Product Information

| | |
|---|---|
| **Description** | BCH, soluble in DMSO and water and insoluble in ethanol, is an inhibitor of L-type amino acid transporter LAT1. The molecular weight of the compound is 155.2, and its molecular formula is $C_8H_{13}NO_2$. |
| **Molecular Weight** | 155.2 |
| **Molecular Formula** | $C_8H_{13}NO_2$ |
| **IUPAC Name** | 2-Aminobicyclo[2.2.1]heptane-2-carboxylic acid |
| **InChI** | InChI=1S/C8H13NO2/c9-8(7(10)11)4-5-1-2-6(8)3-5/h5-6H,1-4,9H2,(H,10,11) |
| **InChI Key** | MPUVBVXDFRDIPT-UHFFFAOYSA-N |
| **Canonical SMILES** | C1CC2CC1CC2(C(=O)O)N |
| **Form** | Lyophilized powder |
| **Purity** | ≥98% |
| **Impurities** | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects. |
| **Solubility** | *In vitro*: DMSO: 1 mg/mL (6.44 mM); Water: 26 mg/mL (167.53 mM); Ethanol: insoluble |
| **Identity** | Confirmed by NMR/HPLC/MS. |
| **Stability** | In its lyophilized form, the chemical remains stable for 36 months. |
| **Quality Level** | Research grade |
| **Applications** | BCH plays a key role in cellular metabolism and cancer. |
| **Storage** | Store at -20ºC, and keep desiccated. |