

Product Name: CCMQ

Catalog No.: 1238

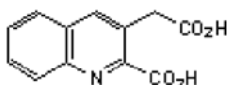
Batch No.: 2

CAS Number: 132623-44-0

IUPAC Name: 2-Carboxy-3-carboxymethylquinoline

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₉NO₄
Batch Molecular Weight: 231.21
Physical Appearance: Cream solid
Solubility: DMSO to 100 mM
 1eq. NaOH to 100 mM with gentle warming
Storage: Desiccate at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.4 (Ammonium hydroxide:Propanol [4:6])
Melting Point: Greater than 230°C(Dec)
¹H NMR: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen			
Theoretical	62.33	3.93	6.06	0 0 0
Found	62.35	4.14	6.09	0 0 0

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Catalog No.: 1238

Batch No.: 2

CAS Number: 132623-44-0

IUPAC Name: 2-Carboxy-3-carboxymethylquinoline

Description:

For use in conjunction with [³H]-homoquinolinic acid to characterize GluN2B (formally NR2B) containing NMDA receptors; selectively inhibits [³H]-homoquinolinic acid binding to non-NMDA sensitive sites. Please refer to IUPHAR Guide to Pharmacology for the most recent naming conventions.

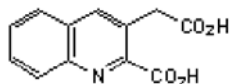
Physical and Chemical Properties:

Batch Molecular Formula: C₁₂H₉NO₄

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Physical Appearance: Cream solid

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Storage: Desiccate at +4°C

Solubility & Usage Info:

DMSO to 100 mM

1eq. NaOH to 100 mM with gentle warming

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:

Brown et al (1998) [³H]-Homoquinolinic acid binds to a subpopulation of NMDA receptors and to a novel binding site. *J.Neurochem.* **71** 1464. PMID: 9751179.

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