

Product Name: β -CCB

Catalog No.: 0405

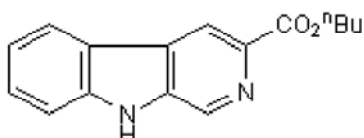
Batch No.: 2

CAS Number: 84454-35-3

IUPAC Name: Butyl β -carboline-3-carboxylate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₆N₂O₂
Batch Molecular Weight: 268.31
Physical Appearance: Tan solid
Solubility: DMSO to 100 mM
 ethanol to 5 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.57 (Dichloromethane:Methanol [10:1])
Melting Point: 209 - 211°C
HPLC: Shows 99.5% purity
¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	71.62	6.01	10.44
Found	71.36	6	10.39

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

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Description:

An endogenous proconvulsant and anxiogenic benzodiazepine receptor ligand.

Physical and Chemical Properties:

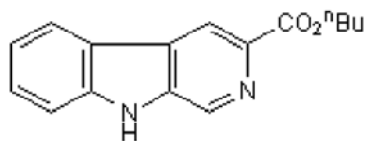
Batch Molecular Formula: C₁₆H₁₆N₂O₂

Batch Molecular Weight: 268.31

Physical Appearance: Tan solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 5 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:

Izquierdo (1989) A game with shifting mirrors. *TIPS* **10** 473. PMID: 2575813.

Pena et al (1986) Isolation and identification in bovine cerebral cortex of n-butyl β -carboline-3-carboxylate, a potent benzodiazepine binding inhibitor. *Proc.Natl.Acad.Sci.U.S.A.* **83** 4952. PMID: 3014522.

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