Product Name: GR 135531 Catalog No.: 0896 Batch No.: 6
CAS Number: 190277-13-5
IUPAC Name: 5-Methoxycarbonylamino-N-acetyltryptamine

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \(\text{C}_{14}\text{H}_{17}\text{N}_{3}\text{O}_{3}\)
   Batch Molecular Weight: 275.31
   Physical Appearance: Off-white solid
   Solubility: ethanol to 100 mM
   Storage: Store at RT

2. ANALYTICAL DATA

   TLC: \(R_f = 0.52\) (Dichloromethane:Ethanol [9:1])
   HPLC: Shows >98.9% purity
   \(^1\text{H}\) NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis: Carbon Hydrogen Nitrogen
   Theoretical 61.08 6.22 15.26
   Found 61.03 6.44 15.08
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Catalog No.: 0896  Batch No.: 6

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IUPAC Name: 5-Methoxycarbonylamino-N-acetyltryptamine

Description:
Binds with high affinity to MT$_3$ melatonin sites in hamster brain, and low affinity (and no efficacy) at MT$_1$ and MT$_2$ melatonin receptors and thus can be used to discriminate between the melatonin receptor subtypes.

Physical and Chemical Properties:
Batch Molecular Formula: C$_{16}$H$_{17}$N$_{3}$O$_3$
Batch Molecular Weight: 275.31
Physical Appearance: Off-white solid
Minimum Purity: >97%

Storage: Store at RT

Solubility & Usage Info:
Ethanol 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: