Catalog # 10-1329

C16

CAS# 608512-97-6

6,8-Dihydro-8-(1H-imidazol-5-ylmethylene)-7H-pyrrolo[2,3-g]benzothiazol-7-one

Lot # X104868

C16 Inhibits RNA-dependent protein kinase (PKR, \( IC_{50} = 210 \) nM).\(^1 \) Inhibits ER stress-induced neuronal damage.\(^2 \) C16 is able to prevent \( \beta \)-amyloid peptide-induced inflammation.\(^3 \) Cell permeable and brain penetrant.

3) Couturier et al. (2011), *Prevention of the \( \beta \)-amyloid peptide-induced inflammatory process by inhibition of double-stranded RNA-dependent protein kinase in primary murine mixed co-cultures*; J.Neuroinflammation 8 72

**PHYSICAL DATA**

Molecular Weight: 268.30
Molecular Formula: \( \text{C}_{13}\text{H}_{8}\text{N}_{4}\text{O}_{3} \)
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 15 mg/ml with warming)
Physical Description: Orange solid
Storage and Stability: Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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