
Product Data Sheet

Product Name: Acein
 Cat. No.: GC50315

Chemical Properties

Cas. No.

SMILES [H]N1CCC[C@H]1C(=O)N1CCC[C@H]1C(=O)N[C@@H]([C@@H](C)O)C(=O)N[C@@H]([C@@H](C)O)C(=O)N[C@@H]([C@@H](C)O)C(=O)N[C@@H](CCCCN)C(=O)N[C@@H](CC1=CC=CC=C1)C(=O)N[C@@H](C)C(=O)N[C@@H](C)C(O)=O

Formula C₄₃H₆₈N₁₀O₁₃ M.Wt 932.5

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

High affinity angiotensin-converting enzyme (ACE) ligand (K_d = 2.79 nM). Exhibits no significant effect on ACE enzymatic activity up to 500 nM concentration. Potentiates NMDA + D-serine-induced dopamine release from striatal slices in vitro and the striatum in vivo.

Neasta et al (2016) The novel nonapeptide acein targets angiotensin converting enzyme in the brain and induces DA release. Br.J.Pharmacol. 173 1314 PMID:27027724

Caution: Product has not been fully validated for medical applications. For research use only.

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