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**Product Data Sheet**

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Product Name: cAC 253  
Cat. No.: GC50494

**Chemical Properties**

Cas. No.

Formula  $C_{126}H_{202}N_{42}O_{40}S_2$  M.Wt 3009.36

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**

Amylin (AMY3) antagonist ( $IC_{50} = 0.3 \mu M$ ). Protects neuronal cells from  $A\beta(1-42)$ -induced cytotoxicity in vitro. Brain penetrant. Improves spatial memory and reduces  $A\beta$  plaque number and total area in a mouse Alzheimer's disease model.

Soudy et al (2016) Cyclic AC253, a novel amylin receptor antagonist, improves cognitive deficits in a mouse model of Alzheimer's disease. *Alzheimers Dement.* (N Y) 3 44 PMID:29067318 |Mietlicki-Baase (2018) Amylin in Alzheimer's disease: Pathological peptide or potential treatment • *Neuropharmacology* 136 287 PMID:29233636

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

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