Senktide
Item No. 16721

CAS Registry No.: 106128-89-6
Formal Name: N-(3-carboxy-1-oxopropyl)-L-α-aspartyl-L-phenylalanyl-N-methyl-L-phenylalanylglycyl-L-leucyl-L-methioninamide

MF: C₈₀H₁₅₄N₇O₁₁S
FW: 842.0
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

Laboratory Procedures

For long term storage, we suggest that senktide be stored as supplied at -20°C. It should be stable for at least two years. Senktide is supplied as a crystalline solid. A stock solution may be made by dissolving the senktide in the solvent of choice. Senktide is soluble in DMSO at a concentration of approximately 5 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of senktide can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of senktide in PBS, pH 7.2, is approximately 2 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Senktide is a potent, selective agonist of the neuromedin K3 (NK₃) receptor (EC₅₀ = 0.5-3 nM). It less potently agonizes the NK₁ receptor (EC₅₀ = 35 μM) and is without effect on the NK₂ receptor. Senktide is used to study the action of the NK₃ receptor in cells and in animals.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/16721

WARNING: This product is for laboratory research only: not for administration to humans. Not for human or veterinary diagnostic or therapeutic use.

Safeguards
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

Warranty and Limitation of Remedy
Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, salability, or merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery. Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

Cayman’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

Copyright Cayman Chemical Company, 02/03/2015