

Ranatensin acetate

Chemical Properties

CAS No. :

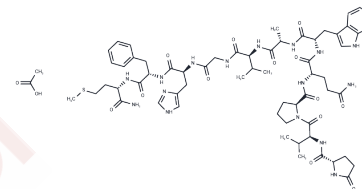
Formula: C63H88N16O15S

Molecular Weight: 1341.54

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | Ranatensin acetate, a undecapeptide isolated from skin of Rana pipiens, is a naturally occurring bombesin-like peptide. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.7454 mL | 3.7271 mL | 7.4541 mL |
| 5 mM | 0.1491 mL | 0.7454 mL | 1.4908 mL |
| 10 mM | 0.0745 mL | 0.3727 mL | 0.7454 mL |
| 50 mM | 0.0149 mL | 0.0745 mL | 0.1491 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Geller RG, Govier WC, Pisano JJ, Tanimura T, Van Clineschmidt B. The action of ranatensin, a new polypeptide from amphibian skin, on the blood pressure of experimental animals. *Br J Pharmacol.* 1970 Dec;40(4):605-16. doi: 10.1111/j.1476-5381.1970.tb10641.x. PMID: 4322040; PMCID: PMC1702921.

Krane IM, Naylor SL, Helin-Davis D, Chin WW, Spindel ER. Molecular cloning of cDNAs encoding the human bombesin-like peptide neuromedin B. Chromosomal localization and comparison to cDNAs encoding its amphibian homolog ranatensin. *J Biol Chem.* 1988 Sep 15;263(26):13317-23. Erratum in: *J Biol Chem* 1990 Apr 25; 265(12):7091. PMID: 2458345.

Walsh JH, Lechago J, Wong HC, Rosenquist GL. Presence of ranatensin-like and bombesin-like peptides in amphibian brains. *Regul Pept.* 1982 Jan;3(1):1-13. doi: 10.1016/0167-0115(82)90002-7. PMID: 6172810.

Chronwall BM, Pisano JJ, Bishop JF, Moody TW, O'Donohue TL. Biochemical and histochemical characterization of ranatensin immunoreactive peptides in rat brain: lack of coexistence with bombesin/GRP. *Brain Res.* 1985 Jul 8;338(1):97-113. doi: 10.1016/0006-8993(85)90252-5. PMID: 3896395.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481