Product Data Sheet

Product Name: Agouti-related Protein (AGRP) (83-132) Amide (human) (TFA)
Cat. No.: GC74361

Chemical Properties

Cas. No.			
Formula	$C_{235}H_{362}N_{76}O_{67}S_{11}.xC_2HF_3O_2$	M.Wt	5790.62 (free acid)
Solubility		Storage	Sealed storage, away from moisture and light, under nitrogen
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			

SSRRCVRLHESCLGQQVPCCDPCATCYCRFFNAFCYCRKLGTAMNPCSRT-NH_2
(Disulfide bridge: Cys_1-Cys_4; Cys_2-Cys_6; Cys_3-Cys_8; Cys_5-Cys_{10}; Cys_7-Cys_8) (TFA salt)

Background

Agouti-related Protein (AGRP) (83-132) Amide (human) TFA is a fragment of agouti-related protein (AGRP) which is a protein found in abundance in the arcuate nucleus of the pothalamus. AgRP primarily acts as an inverse agonist for the melanocortin-4 receptor (MC4R) to increase food intake.

Agouti-related Protein (AGRP) (83-132) increases food intake and decreases spontaneous locomotor activity in rats[2].

References:

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. Donald W. Pfaff, et al. Chapter 1 - Hormones Can Facilitate or Suppress Behaviors. Principles of Hormone/Behavior Relations (Second Edition). Academic Press, 2018, Pages 3-26, ISBN 9780128113714. [2]. Tang-Christensen M, et al. Central administration of ghrelin and agouti-related protein (83-132) increases food intake and decreases spontaneous locomotor activity in rats. Endocrinology. 2004 Oct;145(10):4645-52.

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