abcam

Product datasheet

AC187, amylin receptor antagonist ab141150

1 References 1 Image

Overview

Product name AC187, amylin receptor antagonist

Description Potent, selective amylin receptor antagonist

Biological description Potent, selective amylin receptor antagonist (IC₅₀ = 0.48 nM). Displays 38-fold and 400-fold

selectivity over calcitonin and CGRP receptors respectively. Blocks amyloid β-induced neurotoxicity following reduced activation of caspases, XIAP and BID *in vitro*. Role in glucose

homeostasis.

Purity > 95%

CAS Number 151804-77-2

Chemical structure

Val(Ac)-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-T

hr-Tyr-Pro-Arg-Thr-Asn-Thr-Gly-Ser-Asn-Thr-Tyr-NH2

Properties

Molecular weight 2890.24

Molecular formula $C_{127}H_{205}N_{37}O_{40}$

Sequence VLGKLSQELHKLQTYPRTNTGSNTY (Modifications: N-terminal acetyl; C-terminal amide)

PubChem identifier 16133792

Storage instructions Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12

months.

Solubility overview Soluble in water

Handling This product is supplied in one (or more) pack size which is freeze dried. Therefore the contents

may not be readily visible, as they can coat the bottom or walls of the vial. Please see our FAQs

and information page for more details on handling.

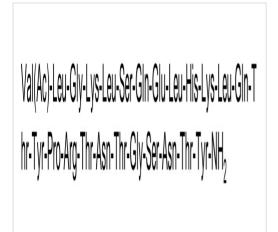
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room

temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked

questions (FAQ) page for more details.

Images



2D chemical structure image of ab141150, AC187, amylin receptor antagonist

Chemical Structure - AC187, amylin receptor antagonist (ab141150)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- · Valid for 12 months from date of delivery
- · Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- · Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to
 identify how to use these products effectively. If you require further assistance please contact the scientific support team