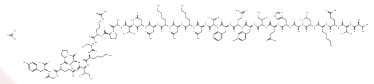
Data Sheet (Cat.No.TP1257L)

TargetMol

Adrenomedullin (AM) (22-52), human acetate

Chemical Properties



CAS No. :

Formula: C161H256N46O50

Molecular Weight: 3636.09

Storage: Store at low temperature,Keep away from moisture
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	Adrenomedullin (AM) (22-52), human acetate is an antagonist of calcitonin generelated peptide receptor in the hindlimb vascular bed of the cat and an adrenomedullin receptor.
Targets(IC50)	CGRP Receptor
In vitro	Adrenomedullin (AM) (22-52), human acetate（159899-65-7 Free base） competitively inhibits the binding of the Adrenomedullin dose-dependently and inhibits Adrenomedullin -induced cAMP accumulation in rat vascular smooth muscle cells. Adrenomedullin (AM) (22-52), human acetate（159899-65-7 Free base） (30 nmol) selectively and reversibly decreases vasodilator responses to human calcitonin generelated peptide (hCGRP) with similar effect to that of CGRP antagonist[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.275 mL	1.3751 mL	2.7502 mL
5 mM	0.055 mL	0.275 mL	0.550 mL
10 mM	0.0275 mL	0.1375 mL	0.275 mL
50 mM	0.0055 mL	0.0275 mL	0.055 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

Ziolkowska A, et al. Effects of adrenomedullin and its fragment 22-52 on basal and ACTH-stimulated secretion of cultured rat adrenocortical cells. Int J Mol Med. 2003 May;11(5):613-5.

Champion HC, et al. Adrenomedullin-(22-52) antagonizes vasodilator responses to CGRP but not adrenomedullin in the cat. Am J Physiol. 1997 Jan;272(1 Pt 2):R234-42.

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