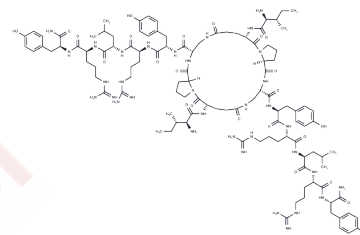


GR231118

Chemical Properties

CAS No. :	158859-98-4
Formula:	C110H170N34O24
Molecular Weight:	2352.77
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Potent neuropeptide Y (NPY) Y1 receptor antagonist (pA2 = 10 and 10.5 at rY1 and hY1, receptors respectively). Also a potent and selective NPY Y4 receptor agonist (pEC50 values are 6.0, 8.6 and 6.1 for rY2, hY4 and rY5 receptors respectively). Suppresses food intake in rats in vivo. Also has affinity for neuropeptide FF (NPFF) receptors in vitro (Ki = 43-73 nM).
Targets(IC50)	Neuropeptide Y Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.425 mL	2.125 mL	4.2503 mL
5 mM	0.085 mL	0.425 mL	0.8501 mL
10 mM	0.0425 mL	0.2125 mL	0.425 mL
50 mM	0.0085 mL	0.0425 mL	0.085 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

- Ishihara et al (1998) A potent neuropeptide Y antagonist, 1229U91, suppressed spontaneous food intake in Zucker fatty rats. *Am.J.Physiol.* 274 R1500 PMID:
- Mollereau et al (2001) Agonist and antagonist activities on human NPFF2 receptors of the NPY ligands GR231118 and BIBP3226. *Br.J.Pharmacol.* 133 1 PMID:
- Parker et al (1998) GR231118 (1229U91) and other analogues of the C-terminus of neuropeptide Y are potent neuropeptide Y Y1 receptor antagonists and neuropeptide Y Y4 receptor agonists. *Eur.J.Pharmacol.* 349 97 PMID:

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