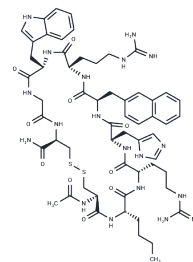


HS024

Chemical Properties

CAS No. :	212370-59-7
Formula:	C58H79N19O10S2
Molecular Weight:	1266.5
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	HS024 is a highly potent melanocortin MC4 receptor antagonist (K _i values are 0.29, 18.6, 5.45 and 3.29 nM for cloned human MC4, MC1, MC3 and MC5 receptors respectively). Increases food intake, and blocks α-MSH- and MTH- induced hypotension and bradycardia in rats, following central administration in vivo.
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	H2O: 0.5 mg/mL (0.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7896 mL	3.9479 mL	7.8958 mL
5 mM	0.1579 mL	0.7896 mL	1.5792 mL
10 mM	0.079 mL	0.3948 mL	0.7896 mL
50 mM	0.0158 mL	0.079 mL	0.1579 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

Jonsson et al (2001) Melanocortin receptor agonist transiently increases oxygen consumption in rats. Neuroreport 12 3703 PMID:

Jonsson et al (2002) Food conversion is transiently affected during 4-week chronic administration of melanocortin agonist and antagonist in rats. J.Endocrinol. 173 517 PMID:

Kask et al (1998) Discovery of a novel superpotent and selective melanocortin-4 receptor antagonist (HS024): evaluation in vitro and in vivo. Endocrinology 139 5006 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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