Product Data Sheet

Product Name: M65 TFA
Cat. No.: GC72221

Chemical Properties

Cas. No.

Formula	$C_{205}H_{326}N_{64}O_{61}S_5.xC_2HF_3O_2$	M.Wt	4823.53 (free base)
Solubility	H_2O : ≥ 50 mg/mL	Storage	Sealed storage, away from moisture
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

Cys-Asp-Ala-Thr-Cys-Gln-Phe-Arg-Lys-Ala-Ile-Asp-Asp-Cys-Gln-Lys-Gln-Ala-His-His-Ser-Asn-Val-Pro-Gly-Asn-Ser-Val-Phe-Lys-Glu-Cys-Met-Lys-Gln-Lys-Lys-Lys-Glu-Phe-Lys-Ala-NH_2 (Disulfide bridge:Cys_1-Cys_5,Cys_{14}-Cys_{32}) (TFA salt)

Background

M65 TFA is a deleted peptide of maxadilan (61 a.a.) with deletion of the residues between positions 24 and 42 and is a specific antagonist of PACAP type 1 receptor that inhibits ANP secretion and can be used for relevant researches.

M65 (1 μM) completely blocks the cAMP accumulation stimulated by 100 nM of VIP, and partially inhibits the cAMP accumulation stimulated by 1 nM of maxadilan in rat cortical neurons[2].

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

<p >References:

[1]. Lerner EA, et al. Maxadilan, a PAC1 receptor agonist from sand flies. Peptides. 2007 Sep;28(9):1651-4.

[2]. Uchida D, et al. Maxadilan is a specific agonist and its deleted peptide (M65) is a specific antagonist for PACAP type 1 receptor. Ann N Y Acad Sci. 1998 Dec 11;865:253-8.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA