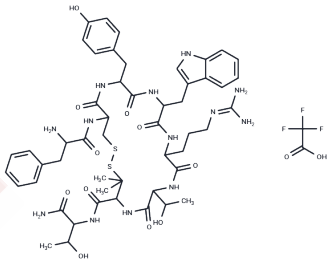
Data Sheet (Cat.No.TP2050L)

TargetMol

CTAP(TFA) (103429-32-9 free base)

Chemical Properties



CAS No. :

Formula: C53H70F3N13O13S2

Molecular Weight: 1218.33

Storage: 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	CTAP(TFA) (103429-32-9 free base) is a potent, highly selective, and brain-penetrant antagonist of the μ-opioid receptor with IC50 of 3.5 nM. It displays over 1200-fold selectivity over δ opioid (IC50=4500 nM) and somatostatin receptors. CTAP(TFA) (103429-32-9 free base) can be used for the study of L-DOPA-induced dyskinesia (LID)
Targets(IC50)	Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8208 mL	4.104 mL	8.208 mL
5 mM	0.1642 mL	0.8208 mL	1.6416 mL
10 mM	0.0821 mL	0.4104 mL	0.8208 mL
50 mM	0.0164 mL	0.0821 mL	0.1642 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

Mitchell J Bartlett, et al. Highly-selective μ-opioid Receptor Antagonism Does Not Block L-DOPA-induced Dyskinesia in a Rodent Model.BMC Res Notes

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