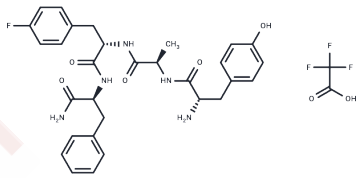
Data Sheet (Cat.No.T11323)

TargetMol

Frakefamide TFA (188196-22-7 free base)

Chemical Properties



CAS No. :

Formula: C32H35F4N5O7

Molecular Weight: 677.64

Storage: 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	Frakefamide is unable to penetrate the blood-brain-barrier and enter the central nervous system. Frakefamide TFA is a potent analgesic that acts as a peripheral active μ-selective receptor agonist.
Targets(IC50)	Others
In vivo	Frakefamide yields a dose dependent increase in morphine appropriate responding to 50% at the highest dose tested (10 μmol/kg) after infusion durations of 2 min, whereas after 15 min infusions a maximum of 25% morphine appropriate responding was occasioned at 17.5 μmol/kg.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4757 mL	7.3785 mL	14.7571 mL
5 mM	0.2951 mL	1.4757 mL	2.9514 mL
10 mM	0.1476 mL	0.7379 mL	1.4757 mL
50 mM	0.0295 mL	0.1476 mL	0.2951 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

Modalen AO, et al. A novel molecule (frakefamide) with peripheral opioid properties: the effects on resting ventilation compared with morphine and placebo. Anesth Analg. 2005 Mar;100(3):713-7.
Swedberg MD, et al. Drug discrimination: A versatile tool for characterization of CNS safety pharmacology and potential for drug abuse. J Pharmacol Toxicol Methods. 2016 Sep-Oct;81:295-305.

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