

WRW4 TFA(878557-55-2 free base)

Chemical Properties

CAS No. :

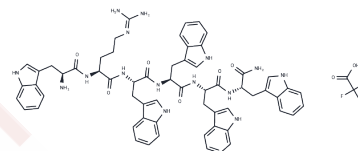
Formula: C63H66F3N15O8

Molecular Weight: 1218.29

Keep away from moisture

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	WRW4 TFA (878557-55-2 free base) is a specific formyl peptide receptor-like 1 (FPRL1) antagonist, inhibits WKYMVm binding to FPRL1 with an IC50 of 0.23 μ M. WRW4 TFA (878557-55-2 free base) specifically inhibits the increase in intracellular calcium by the FPRL1 agonists MMK-1, amyloid beta42 (Abeta42) peptide, and F peptide.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 1 mg/mL (0.82 mM),Sonication is recommended. DMSO: 495 mg/mL (406.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (8.21 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8208 mL	4.1041 mL	8.2082 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

Bae et al (2004) Identification of peptides that antagonize formyl peptide receptor-like 1-mediated signaling. J. Immunol. 173 607 PMID:

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