

## Difelikefalin acetate

## Chemical Properties

CAS No. : 2803411-76-7

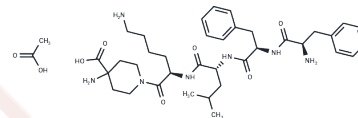
Formula: C38H57N7O8

Molecular Weight: 739.9

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	Difelikefalin acetate (CR 845 acetate) is a peripherally restricted kappa opioid receptor agonist. CR845 exhibit low P450 CYP inhibition and low penetration into the brain.
Targets(IC50)	Opioid Receptor

## Solubility Information

Solubility	H2O: 150 mg/mL (202.73 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3515 mL	6.7577 mL	13.5153 mL
5 mM	0.2703 mL	1.3515 mL	2.7031 mL
10 mM	0.1352 mL	0.6758 mL	1.3515 mL
50 mM	0.027 mL	0.1352 mL	0.2703 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

Shram MJ, Spencer RH, et al. Evaluation of the abuse potential of difelikefalin, a selective kappa-opioid receptor agonist, in recreational polydrug users. Clin Transl Sci. 2022 Feb;15(2):535-547.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481