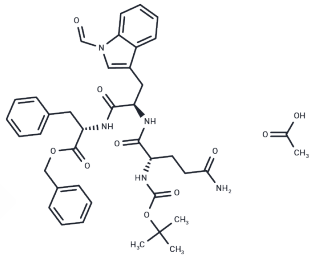
Data Sheet (Cat.No.TP1946L)

TargetMol

QWF acetate

Chemical Properties



CAS No. :

Formula: C40H47N5O10

Molecular Weight: 757.84

Storage: Store under nitrogen
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	QWF acetate is a Substance P antagonist that specifically inhibits the binding of Substance P to its receptor (NK1) with an IC50 of 0.09 Mm; it can also inhibit the activation of Mas-related G-protein-coupled receptor X2 (MRGPRX2), which inhibits degranulation of mast cells.QWF acetate is used as a polypeptide in pain, inflammation and allergic reactions, QWF acetate has important applications as a peptide in the study of pain, inflammation and allergic reactions.
Targets(IC50)	Neurokinin receptor

Solubility Information

Solubility	H2O: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3195 mL	6.5977 mL	13.1954 mL
5 mM	0.2639 mL	1.3195 mL	2.6391 mL
10 mM	0.132 mL	0.6598 mL	1.3195 mL
50 mM	0.0264 mL	0.132 mL	0.2639 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

Hagiwara D, et al. Studies on neurokinin antagonists. 1. The design of novel tripeptides possessing the glutaminyl-D-tryptophylphenylalanine sequence as substance P antagonists. J Med Chem. 1992 May 29;35(11):2015-25.

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