

K284-6111

## Chemical Properties

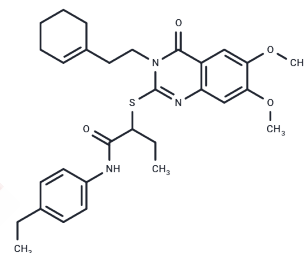
CAS No. : 702668-62-0

Formula: C30H37N3O4S

Molecular Weight: 535.70

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

K284-6111 is an orally effective inhibitor of the Chitinase 3-like 1 protein (CHI3L1). It functions by reducing the expression of inflammatory proteins such as iNOS, COX-2, GFAP, and Iba-1, and inhibits both  $\beta$ -secretase ( $\beta$ -secretase) and NF- $\kappa$ B, leading to a suppression of A $\beta$  production. Furthermore, K284-6111 improves memory impairment in mice induced by A $\beta$ 1-42, making it useful for research in Alzheimer's disease.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8667 mL	9.3336 mL	18.6672 mL
5 mM	0.3733 mL	1.8667 mL	3.7334 mL
10 mM	0.1867 mL	0.9334 mL	1.8667 mL
50 mM	0.0373 mL	0.1867 mL	0.3733 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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