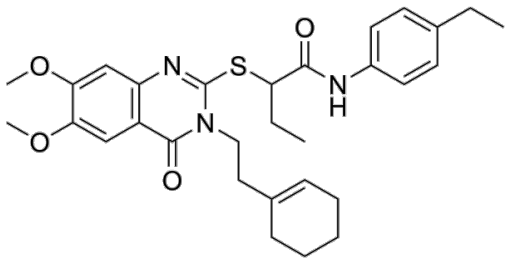
Product Data Sheet

Product Name: K284-6111
Cat. No.: GC73144

Chemical Properties

Cas. No.	702668-62-0		
Formula	$C_{30}H_{37}N_3O_4S$	M.Wt	535.7
Solubility	DMSO : 2 mg/mL (3.73 mM; ultrasonic and warming and heat to 60°C)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

K284-6111 is an orally active inhibitor for protein chitinase 3-like 1 (CHI3L1). K284-6111 reduces the expression of inflammatory proteins such as iNOS, COX-2, GFAP, and Iba-1, inhibits β-secretase and NF-κB, and suppresses Aβ production. K284-6111 ameliorates the Aβ1–42-induced mice memory impairment, and can be used in research about Alzheimer's Diseases.

References:

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[1]. Choi JY, et al., K284-6111 prevents the amyloid beta-induced neuroinflammation and impairment of recognition memory through inhibition of NF-κB-mediated CHI3L1 expression. J Neuroinflammation. 2018 Aug 11;15(1):224.

Caution: Product has not been fully validated for medical applications. For research use only.
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