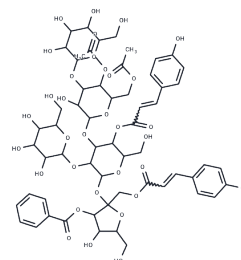


## Tenuifoliose J

## Chemical Properties

CAS No. :	147742-15-2
Formula:	C <sub>59</sub> H <sub>72</sub> O <sub>33</sub>
Molecular Weight:	1309.20
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	Tenuifoliose J is a naturally occurring product isolated from <i>Polygala tenuifolia</i> Willd, and Tenuifoliose J represents one of the structurally diverse secondary metabolites found in this species, which is traditionally used in ethnomedicine, and Tenuifoliose J is of pharmacological interest in natural product chemistry for its potential contributions to neuroactive and adaptogenic research fields.
Targets(IC50)	Others
In vitro	Tenuifoliose J (500 µg/mL, 48 hours) can effectively protect SY5Y cells from Corticosterone-induced neuronal dysfunction. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7638 mL	3.8191 mL	7.6383 mL
5 mM	0.1528 mL	0.7638 mL	1.5277 mL
10 mM	0.0764 mL	0.3819 mL	0.7638 mL
50 mM	0.0153 mL	0.0764 mL	0.1528 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

- Zhang J, et al. A systematic review on the neuropharmacological activities of Oligosaccharide ester in *Polygalae Radix*[J]. TMR Modern Herbal Medicine, 2021, 4(1): 7.
- MIYASE T, et al. Tenuifolioses GP, Oligosaccharide Multi-Esters from the Roots of *Polygala tenuifolia* WILLD[J]. Chemical and pharmaceutical bulletin, 1992, 40(10): 2741-2748.

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