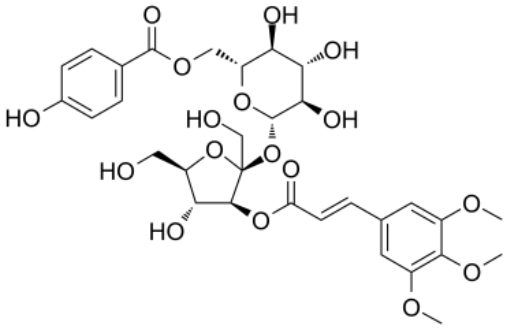
Product Data Sheet

Product Name: Tenuifoliside A
Cat. No.: GC39074

Chemical Properties

Cas. No.	139726-35-5		
SMILES	OC[C@@]1([C@H]([C@H](O)[C@@H](CO)O1)OC(/C=C/C2=CC(OC)=C(OC)C(OC)=C2)=O)O[C@@H]3O[C@@H]([C@@H](O)[C@H](O)[C@H]3O)COC(C4=CC=C(O)C=C4)=O		
Formula	$C_{31}H_{38}O_{17}$	M.Wt	682.62
Solubility	DMSO : 100 mg/mL (146.49 mM; Need ultrasonic)	Storage	Store at -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

Tenuifoliside A is isolated from Polygala tenuifolia, has anti-apoptotic and antidepressant-like effects. Tenuifoliside A exhibits its neneurotrophic effects and promotes cell proliferation through the ERK/CREB/BDNF signal pathway in C6 cells[1].

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. Dong XZ, et al. Effect of Tenuifoliside A isolated from Polygala tenuifolia on the ERK and PI3K pathways in C6 glioma cells. Phytomedicine. 2014 Sep 15;21(10):1178-88.

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