

## Typhaneoside

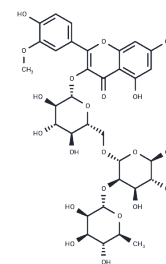
### Chemical Properties

CAS No. : 104472-68-6

Formula: C<sub>34</sub>H<sub>42</sub>O<sub>20</sub>

Molecular Weight: 770.69

Storage: Store at low temperature, Keep away from direct sunlight  
 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	Typhaneoside (Aervitrin) is a flavonoid glycoside plant extract with potential ability to treat primary dysmenorrhea through the Shaofu Zhuyu decoction.
Targets(IC50)	Autophagy

### Solubility Information

Solubility	DMSO: 250 mg/mL (324.38 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (4.28 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2975 mL	6.4877 mL	12.9754 mL
5 mM	0.2595 mL	1.2975 mL	2.5951 mL
10 mM	0.1298 mL	0.6488 mL	1.2975 mL
50 mM	0.026 mL	0.1298 mL	0.2595 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

Mooiman KD, et al. Milk thistle's active components silybin and isosilybin: novel inhibitors of PXR-mediated CYP3A4 induction. *Drug Metab Dispos.* 2013 Aug;41(8):1494-504.

Pferschy-Wenzig EM, et al. Identification of isosilybin a from milk thistle seeds as an agonist of peroxisome proliferator-activated receptor gamma. *J Nat Prod.* 2014 Apr 25;77(4):842-7.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481