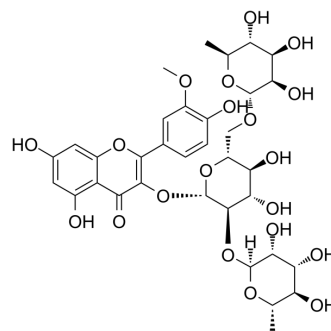


Typhaneoside

Cat. No.:	HY-N0712
CAS No.:	104472-68-6
Molecular Formula:	C ₃₄ H ₄₂ O ₂₀
Molecular Weight:	770.69
Target:	Autophagy
Pathway:	Autophagy
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (324.38 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		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		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.70 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (2.70 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.70 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Typhaneoside, extracted from <i>Typha angustifolia</i> L., Typhaneoside can inhibit the excessive autophagy of hypoxia/reoxygenation cells and increase the phosphorylation of Akt and mTOR. Typhaneoside has certain effects on the cardiovascular system, including lowering blood lipid levels, promoting antiatherosclerosis activities, as well as improving immune and coagulation function ^[1] .
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REFERENCES

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

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